

RONALD ROSS WATSON, Ph.D.
Curriculum Vitae

CHRONOLOGY OF EDUCATION

- 1966** Bachelor of Science, Department of Chemistry, Brigham Young University.
Major: Chemistry Minor: Mathematics & Spanish
- 1971** Doctor of Philosophy, Department of Biochemistry, Michigan State University
Minor: Nutrition and Organic Chemistry
- 1971-73** Post-Doctoral Fellow, School of Public Health, Harvard University. Classes in
Nutrition & Immunology
- 1983-84** Army Medical Corps, Advanced Officers Training, Part I & II, Command and General
Staff Training at Fort Sam Houston Medical Center, San Antonio, Texas

DISSERTATION

- 1971** **Watson RR.** *Biosynthesis of Apiin*
Doctor of Philosophy Dissertation, Michigan State University.

MAJOR FIELDS: Cancer prevention by nutritional immunostimulation, drug and alcohol abuse:
Immunomodulation in mouse AIDS, immune and nutritional restoration,
immune mechanisms of heart disease.

CHRONOLOGY OF EMPLOYMENT

- 1982+** **University of Arizona**
- 2007-9** Interim Director, Division of Health Promotion Sciences.
- 2001+** Adjunct Professor, Department of Nutritional Sciences.
- 2000+** Professor, Mel and Enid Zuckerman College of Public Health, tenure
- 1987+** Professor, School of Medicine, Department of Family and
Community Medicine.
- 1987-97** Researcher, (without compensation), Tucson Veterans
Administration Medical Center, Director of the Alcohol-Immunology
laboratory.
- 1983** U.S. Army Summer Faculty, Research in Science and Engineering
(Summer) Program at U.S. Army Medical Research Institute of Infectious Diseases, Frederick,

Maryland

- 1982-87** Associate Professor of Research, Department of Family & Community Medicine.
- 1978-82** Associate Professor of Nutrition & Immunology, Department of Foods & Nutrition, Purdue University
- 1980** Visiting Professor of Nutrition, (summer) Department Food, Human Nutrition & Institutional Management, Washington State University to teach advanced graduate nutrition course, July-August
- 1974-78** Assistant Professor of Microbiology & Immunology, Department of Microbiology & Immunology, Indiana University School of Medicine
- 1977** Visiting Professor of Immunology (summer), Brigham Young University, to teach advanced immunology in Department of Microbiology, May-June
- 1973-74** Assistant Professor of Microbiology, University Medical Center, Jackson, Mississippi
- 1971-73** NIH Post-doctoral Research Fellow in Immunology & Microbiology, Ocular Immunology Research with graduate classes in Nutrition and in Microbiology, Department of Microbiology, Harvard School of Public Health.
- 1971-72** Assistant Professor of Microbiology, University of Mississippi Medical Center, Jackson, Mississippi
- 1966-71** NIH and NASA Graduate Research Assistant in Biochemistry, Department of Biochemistry, Michigan State University

HONORS & AWARDS

- 2010** Gourmand World cookbook awards 2010 Title: Olives and Olive Oil in Health and Disease Prevention, Authors Victor R. Preedy and Ronald Watson, Special award of the Jury in Paris France
- 2005** Travel grant from University of Arizona to ESBRA meeting in Canterbury, England .
- 2003** Certificate of Appreciation, University of Arizona Graduate College for Support of Minority Health Disparities, Summer Research Program.
- 1994** University of Arizona International travel award.
- 1994** Travel award from NIAAA grant to ISBRA in Australia.
- 1994** Distinguished visiting professor at the American University of Cairo.
- 1991** Sabino PTSA Excellence Award.
- 1989** Dictionary of International Biography.
- 1988** Who's Who of Emerging Leaders in America.
- 1986** The International Directory of Distinguished Leadership.
- 1986** Wise and Helen Burroughs lectureship at Iowa State University.
- 1985** Elected to membership Canadian Society for Nutritional Sciences
- 1985** Travel grant to XIIIth International Congress of Nutrition, Brighton, England from the American Institute of Nutrition

1985 Federal Rating GS-15
1984 Elected to membership The Canadian Society for Immunology
1980 Elected to membership in American Society of Clinical Nutrition
1978-79 Future Leaders Award of the Nutrition Foundation (Award included two years of research support)
1977 Travel grant to XIth International Congress of Nutrition in Sao Paulo, Brazil from the American Institute of Nutrition
1977 Sigma Xi
1977 Elected to membership in American Institute of Nutrition
1975 Elected to membership in American Association of Immunologists
1975 American Men of Science
1974 Travel Award to Western Hemisphere Nutrition Congress V
1971-73 NIH post-doctoral research fellowship
1966-71 NASA and NIH graduate research assistantships

SERVICE

Outreach: Local/State

2013 Wellness 2013 survey in CPH 306 class
2011-7 Public member of the Attorney Regulation Advisory Committee of the Arizona Supreme Court.
2010-3 Member of the Arizona Arthritis Center board member
2010-3 Reviewer Cancer Prevention and Research Institute of Texas Prevention Programs
2010-3 Panel 2 Loan repayment proposal review for Minority Health and Health Disparities (NCMHD)
2010 Member of RFNS symposium committee University of Arizona of Nutritional Sciences Department

2010 Panel 4 Loan repayment proposal review for Minority Health and Health Disparities (NCMHD)
2010 Wellness 2010 survey in CPH 306 class
2010- Reviewer on Exceptional, Unconventional Research Enabling Knowledge Acceleration (Eureka) 20-30 Mar National Cancer Center, Washington DC
2007-9 Arts committee COPH
2008-9 Partners in Public Health (PIPH)

2002-+ Member President's Club University of Arizona
2004-11 Public member, Committee on Character and Fitness, Arizona Supreme Court.
2012-18 Public member, Attorney Regulation Advisory Committee, Arizona Supreme Court
2004-08 LDS Student Association – faculty advisor
2003-20 Public member of the Arizona Commission on Judicial Performance Review of the Arizona Supreme Court
2004-06 University of Arizona faculty representative on the Judicial College Board of Arizona of the Arizona Supreme Court.
2004 *Tobacco Research Findings* Tucson Public Health discussion for City Council.
2001 Training Familiarization tour of Tucson by Metropolitan, Tucson Convention & Visitors' Bureau – preparation to host a conference.
2000 Member, Therapeutic Advisory Council, City of Tucson, Parks and Recreation Department.
1998-02 Advisor for Mentors of Challenged Adults, Tucson, Arizona.
1983+ Member, Nutrition and Immunology, Cancer Center, Arizona Health Sciences Center, University of Arizona

Outreach: National/International

2014 Congressionally Directed Medical Research Programs (CDMRP) Clinical Rehabilitative Medicine Research Program (CRM RP) – Reconstructive Transplantation Research Award peer review reviewed 12-13 Jan 2015
2014 Special Emphasis Panels 19-20 June 2014 Extramural Research Program Operations and Services and the National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control
2014 National Institute on Minority Health and Health Disparities, Minority Health and Health Disparities, Mar 24 and Apr 22
2011 Interview with L.E. K. Consulting on functional foods
2010 Breast cancer review program 23-4 June Washington DC
2010 NIDDK NIH R13 conference grants review
2010 Cancer Prevention and Research Institute of Texas Panel grant review
2009-10 Chairperson-Online Checklist 2009 Breast Cancer Research Program –

Concept-Clinical & Experimental Therapeutics #6

- 2008-2008** Board member of National Health Research Institute (non-profit). National Center for Complementary and Alternative Medicine (NIH) reviews, 7 Mar, 25-27 June.
- 2008** Chaired session Tocotrienols in Health at American Oil Chemists Society, 21 May, Seattle, WA
- 2007-10** External Advisory Committee to Research Infrastructure in Minority institution (RIMI) grant from NIH to Southern University at Shreveport, Louisiana.
- 2007** Sub-Chair NIH Review NIDDK ZDKI-GRB-G-01.
- 2007** Reviewer for review of grants for the U.S. Department of Agriculture CREES program on FY 2007 Food and agricultural sciences national needs graduate and postgraduate fellowships grants program.
- 2007** CET-1 Concept Review Panel for Department of Defense Breast Cancer Research Program.
- 2006-07** Member of the AZT 1 DB-25 Basic science review committee for National Center for Complementary and Alternative Medicine, Bethesda, Maryland.
- 2006** Trained as a member of the Community Emergency Response Team (CERT).
- 2005-07** Manager for review of grants for the U.S. Department of Agriculture CREES program on Bioactive Food Components for Optimal Health Panel.
- 2005** Reviewer for the U.S. Department of Agriculture CREES program Bioactive Food Components for Optimal Health Panel.
- 2004** Extraordinary Invited Scientist to Steering Committee of the 3rd Columbus Concept Conference, Brussels, Belgium.
- 2001-08** Scientific Advisory Board member for Dietary Supplement Information Bureau.
- 2001-04** Science Advisor to the National Foundation for Alternative Medicine.
- 2001-04** Member of the Council of Healthcare Advisors.
- 2000-01** Special National Institute of Drug Abuse, Special Study Section.
- 1999-08** President, Southwest Scientific Editing and Consulting, Tucson, Arizona.
- 1999-05** National Foundation for Alternative Medicine, Subcommittee on Health.
- 1998** Special Emphasis Panel on RFA HL-97-014 Endothelial Dysfunction in HIV Infection. Gaithersburg, Maryland.
- 1997-03** Consultant to Bastir University's NIH AIDS Research Center, Bothell, Washington.
- 1997-99** Natrol, Inc. Appointed to Strategic Alliance Team, the company's scientific research group.
- 1997** Consultant and contributor to development of Request for Award by National Heart and Lung Institute: Genesis of Cardiomyopathy with HIV Infection and Alcohol Abuse.
- 1996-02** Member, conference team, Arizona Commission on Judicial Performance Review for Arizona Supreme Court.

- 1996-97** Member Organizing Committee, 9th International Congress of Mucosal Immunology.
- 1996-08** Member, Brigham Young University Alumni Committee for Southern Arizona.
- 1996-08** Member of the Judicial Performance Review Commission for the Arizona Supreme Court.
- 1995** Special Review Committee, NIH, NIAID, Adult Clinical Trials Group.
- 1995** Press Representative, Health Realities, *Biology 95*, Atlanta, Georgia.
- 1994** Distinguished Visiting Professor, Department of Science, and the American University in Cairo.
- 1994** Site Visitor, Tufts University, National Institute on Diabetes and Digestive and Kidney Diseases for grant Nutrition and HIV Infection.
- 1993-95** Publication committee, Research Society on Alcoholism.
- 1993-95** Finance committee for the 8th International Congress of Mucosal Immunology.
- 1993-95** Executive Officer 1, USAR Linguist Unit (Det 10 Tucson).
- 1992-93** Visiting Scientist, FASEB Visiting Scientists for Minority Institutions (University of Puerto Rico).
- 1992** Peer Reviewer National Institute of Alcoholism and Alcohol Abuse's Eighth Special Report to the U.S. Congress on Alcohol and Health.
- 1992** Lovelace Medical Foundation, Albuquerque, New Mexico (Site Visitor).
- 1992** University of Michigan Alcohol Research Center (Practice Site Visitor and Consultant).
- 1991-00** Media consultant in Guide to Experts of the American Society for Nutritional Sciences and American Society for Clinical Nutrition.
- 1991-95** Laboratory Officer (Lieutenant Colonel) Department of Pathology Individual Mobilization Augmentee, Fitzsimmons Army Medical Center, Aurora, Colorado.
- 1991-92** Substance Abuse: Update for Health Care Providers.
- 1991** Science Advisory Committee Member, The Alcoholism and Drug Research Communications Center, Austin, Texas.
- 1991** Nutrition and AIDS Chairman session for the American Institute of Nutrition.
- 1991** In: Guide to Experts with Specialized Knowledge in Nutrition and Clinical Nutrition (AIDS and Nutrition, and Immunity and Nutrition) by American Society for Clinical Nutrition.
- 1990-95** Scientific Advisory Committee of the Alcohol and Drug Research Communications Center.
- 1990-93** Field editor (nutrition) and member of the Scientific Editorial Board of The Alcoholism and Drug Research Communications Center.
- 1990-91** Chairman, Symposium Nutrition, Immunomodulation, and AIDS.
- 1990-91** Scientific Advisory Board of Primus Corporation, (Alcohol Tests).
- 1990** Expert in Directory of Resource Persons in Nutrition and Clinical Nutrition for AITV/ASCN Public Information Committee.

- 1990** Department of Clinical Investigations, Madigan Army Medical Center, Lewis, Washington.
- 1989** Co-organizer of National Institute of Alcoholism and Alcohol Abuse sponsored Alcohol and AIDS Network Conference in Tucson, Arizona, and Alcohol, Drugs of Abuse and Immunomodulation Session Moderator.
- 1989** Grant reviewer for American College of Sports Medicine Foundation.
- 1988-94** Scientific Director, National Institute of Alcohol Abuse and Alcoholism (NIH) Specialized Alcohol Research Center, University of Arizona.
- 1988** Organizing committee for Second International Conference of Anticancer Research, Saronis, Greece.
- 1987-89** Student awards committee for American Institute of Nutrition.
- 1987-88** Graduate Student Research Awards Committee of the Federation of American Societies for Experimental Biology.
- 1986-90** International Union of Nutritional Sciences, IV/4 committee on Nutrition and Immunity, part of the United Nations.
- 1986-87** Department of Clinical Investigations, William Beaumont Army Medical Center, El Paso, Texas.
- 1986** Vitamin A I Chairman session for the American Institute of Nutrition.
- 1985-94** Examiner, Upper Division Writing Proficiency Exam, University of Arizona, Department of English
- 1985-86** Scientific program advisory committee for the International Symposium: Nutritional Regulation of Immunity and Infection.
- 1985** Contributor and Consulting Expert in Hoffmann-La Roche's Vitamin *Nutrition Information: A Communicator's Resource*
- 1983-95** Member, Arizona Cancer Center, Immunology and Nutrition
- 1983** U.S. Army medical Institute for Infectious Disease Research, Fort Detrick, MD. "Nutrition and S-Ig" and "Viral Diagnosis by Enzyme Profiles." This research consultancy covered regular visits over 6 months.
- 1982+** Graduate Faculty Member, Nutrition
- 1981-82** Equal Opportunity Officer, Department Food and Nutrition, Purdue University
- 1978-82** Member, Nutrition & Foods Section, Purdue University Food Science Institute
- 1979-82** Director, Purdue Nutrition Research Project for Egypt, Purdue University
- 1979-82** Army ROTC, 1, 2 and 3-year Scholarship Board, Purdue University
- 1979-82** Interdisciplinary Committee on Global Interdependence and Resource Policy, Purdue University
- 1979-81** Academic Grade Appeals Committee, College of Consumer and Family Science, Purdue University
- 1979-81** Publicity and Public Relations Committee, College of Consumer and Family Science, Purdue University

- 1978-82** U.S. Army Reserve, 337th General Hospital (1000 bed), Ft. Benjamin Harrison In. (Laboratory Officer, Major) Commander, Laboratories Section (Biochemistry & Microbiology)
- 1976-78** International Affairs Program Steering Committee, Indiana University Medical Center
- 1976-78** Research Plans and Programs for the University, Indiana University Medical Center
- 1976-77** Department of Microbiology Electron Microscope Committee, Indiana University Medical Center
- 1975-77** Research Advisor NIH post-doctoral training program in Sexually Transmitted Diseases, Indiana University Medical School
- 1975-77** Chairman, Department of Microbiology and Immunology Grate Committee, Indiana University Medical Center
- 1975-77** Departmental Representative on Academic Graduate Council, Indiana University Medical Center
- 1975-77** Department of Microbiology Masters Degree Program Committee, Indiana University Medical Center
- 1975-76** Department of Microbiology Research Support Committee, Indiana University Medical Center
- 1975-76** Basic Science Student Advisory Committee, Indiana University Medical Center
- 1975-76** Co-chairman Seminar Committee for the Department of Microbiology, Indiana University Medical Center
- 1974-80** Co-Investigator (Nutrition & Immunology), International Center for Medical Research, Cali, Colombia
- 1973-80** Co-investigator at International Center for Medical Research, Cali, Columbia

Chairman of the following sessions for the American Institute of Nutrition at National Meetings:

- 1991** Nutrition and AIDS
- 1986** Vitamin A I
- 1983** Nutrition and Aging
- 1982** Nutrition and Aging
- 1981** Nutrition, Disease and Immunity
- 1979** Nutrition, Disease and Immunity

Outreach: Media

Television

- 2010** KUAT TV Channel 6 Arizona Illustrated, Judicial Performance Review Commission
- 2008** KUAT TV Channel 6 Arizona Illustrated, *Heart Failure* 16 April.
- 2006** KUAT TV Channel 6 *Pycnogenol Research*, based upon an article in Newsweek in Nov 2006 describing our research with the CAM product.
- 2006** CNN Interviewed by CNN for online article on *Alcohol and Wine: Risks/benefits* Channel.
- 2000** KUAT TV Channel 6 Cover Story.
- 2000** Channel 9 TV *Heart Attack Prevention*.
- 1999** KVOA TV *Living Younger*.
- 1998** Channel 4 *New AIDS Drug* TV evening news.
- 1998** Channel 6 Arizona Illustrated, Headlines on *New HIV Drug Patent*.
- 1998** Channel 13 *New AIDS Drug*.
- 1998** Channel 13 TV evening news.
- 1996** Channel 9 *DHEA*.
- 1996** KOLD Channel 13 *DHEA*.
- 1996** TVNZ, Interview with Lorelei Mason in Auckland, New Zealand.
- 1996** Good Morning recording, TVNZ, Auckland, New Zealand.
- 1995** Channel 6 KUAT *New AIDS Treatment*.
- 1995** Channel 13 KOLD, *New AIDS Treatment* (syndicated and broadcast nationally on CBS).
- 1995** Channel 6 KUAT *Potential New AIDS Treatment Reported at University of Arizona*.
- 1995** Channel 4 TV *News Treatment of Mouse AIDS*.
- 1994** TV 9 Live News interview *Marijuana's Action*.
- 1994** Drunk mice - TV News program released by Ivanhoe Broadcast News in *Medical Breakthroughs*.
- 1992** Channel 4 TV *Alcoholism Prevention*.
- 1991** Channel 6 TV *Mariposa Flower Presentation, Part 2*.
- 1991** Channel 4 TV *Cocaine and Neurology*.
- 1991** Channel 4 TV *Alcohol Problems in Tucson School Children*.
- 1991** Channel 4 TV *Russian Researcher and Prevention of Alcohol Induced Liver Damage*.
- 1991** Channel 6 TV *Mariposa Flower Presentations, Part 1*.
- 1990** Channel 6 TV *Caffeine and Headaches*.
- 1990** Channel 9 TV *Alcoholism, Health, and Holiday Drinking*.
- 1990** Channel 6 TV *Caffeine and Headaches*.
- 1990** Channel 6 TV *Alcohol and Immunity*.
- 1990** Channel 13 TV *Alcohol and Genetics*.
- 1990** Channel 6 TV *Alcohol and Cancer*.
- 1989** Channel 6 TV *Alcohol Center: Alcohol and AIDS*.

- 1989** KGUN-TV *Alcohol Abuse and AIDS: A Connection?*
1988 Channel 4 TV *Mouse AIDS*.
1987 Washington Press Club Press Conference, *Beta-Carotene and Immune Stimulation* Council for Responsible Nutrition.

Radio

- 2010** Derrick DeSilva radio show interview on Cost effectiveness of supplements 22 Nov
2009 Podcast about new book *Fatty Acids in Health Promotion* for AOCS
2003 The Deborah Ray Show *Pycnogenol and Heart Disease*.
2000 KUAT TV interview on Arizona Illustrated about new book *Vegetables, Fruits and Herbs in Health Promotion and Related Research*.
1999 KUAT radio interview on *Pycnogenol*.
1999 KTKT Radio *Second Hand Smoke*, Bert Lee show.
1999 Syndicated talk to 12 Arizona radio stations on *Murine AIDS Treatment*.
1998 KTKT Radio Bert Lee radio talk show interview in Tucson. *Marijuana and Health*.
1998 KPSU 1450 AM, *Nutrition, Foods and AIDS* hour talk on Cancer Watch, Portland, Oregon.
1998 *Arizona Prevention Center and Nutrition Research* syndicated radio talk distributed by University of Arizona to 12 Arizona stations.
1997 Radio 90.1 FM, NY, Interview, *DHEA and Breast Cancer* WUSB with Jules Elias, Long Island.
1996 Radio Pacific - Interview, Auckland, New Zealand.
1996 News talk 3ZB, Christchurch, New Zealand.
1996 National Radio, Interview with Kim Hill, Wellington, New Zealand.
1996 New Zealand Doctor - Interviewer Mary E. Aggett or Robyn Sinclair at Novotel, Auckland, New Zealand.
1996 Pharmacy Today at Novotel, Auckland, New Zealand.
1995 KNST Radio *T cell receptor and AIDS*, Tucson, Arizona.
1995 *DHEA and Aging*. Program RX2000 on KFIA Radio, Sacramento, California.
1995 KFIA Radio, Sacramento, California, *Vitamin E and AIDS*. Program RX2000.
1993 *Alcohol and AIDS and Alcohol and Cancer* for distribution to 40 radio stations by Public Affairs Department of University of Arizona.
1992 KFLT Radio *Alcohol-AIDS Conference*.
1991 Arizona Magazine (syndicated state-wide) *Beta-Carotene, Alcohol And Cocaine: Immunomodulators: Research Review of Dr. Watson's Work*.
1990 KNST Radio: *Study Starts Tomorrow, Hispanics and Drugs*.
1989 KFLT Radio: *Diet Study*.

- 1989 KNST Radio *Alcohol/Disease Research*.
1989 KNST Radio *Alcohol Abuse and AIDS, A Connection?*

Newspaper

- 2010 Pycnogenol, Nitric oxide interview for Marcia Zimmerman, writer for the “Zimmerman File” 17 and 18 Nov in Chicago
- 2010 Email interview Vera Tweed (*Better Nutrition, Amazing Wellness*) on cost benefits Symposium
- 2008 *Pycnogenol and diabetes* Daily Health News December
- 2008 *Pycnogenol and diabetes*. Men’s Health Magazine, June.
- 2008 *Passion fruit and asthma*. Scotsman newspaper (United Kingdom) May.
- 2008 *Passion fruit and asthma*. *Women’s Health*.
- 2008 *UA clinical trial on Pycnogenol shows improvement in diabetes patients*. UA News (University of Arizona), 10 June.
- 2008 *UA researcher files for patent for heart-failure treatment*. UA News (University of Arizona) Health e News, 19 May.
- 2008 *Professor: Fix heart by bolstering immune system*. Arizona Daily Wildcat, page 3.
- 2007 *Dr. Ronald Ross Watson, University of Arizona professor and chairman of the scientific advisory board of the Natural Health Research Institute (NHRI) talks about the organization and its mission*. Vitamin Retailer, page 54, December.
- 2007 *Stiff hearts never mend – Or do they?* Sarver Heart Center Newsletter issue 49 fall pages 5, 9.
- 2007 *Bark may bite into osteoarthritis*. Arizona Daily Wildcat, 26 November, page 3.
- 2007 Immune Abuse. Methamphetamine is linked to Cardiac Damage. Commentary on PNAS article. *Science News*, Vol.1711, pps 405-406
- 2006 The important of vitamins and supplements in your diet. Nutritionist Ronald Watson.
- 2006 Pine-bark pill beats DVT. London, England, *Daily Mail*, page 84.
- 2005 eNews College of Public Health. *Grant to Further Studies on Healthy Immune Systems and Healthy Hearts*, pages 3-4; Ronald R. Watson Ph.D. appointed USDA panel member page 5.
- 2005 Dietary Supplement Education Alliance Update *Meet the Scientist: Ronald Watson, PhD*, page 2.
- 2005 Tucson Citizen *University of Arizona Mini-Medical School Public Lectures*.
- 2004 MezcoPh e-News. *Dr. Watson to serve on State Lawyer-screening Committee*. Vol. 1, No. 6, page 7.
- 2004 MEZACOPH e-News *Study investigates benefits of Pycnogenol in people with diabetes and hypertension*, page 10.
- 2004 Pine-bark pill beats DVT. London, England, *Daily Mail*, page 84.
- 2004 Arizona Daily Wildcat, *Smoking Ban gets a Boost at UA discussion*, page 1, 9.

- 2003** Whole Foods Magazine *Pycnogenol and Heart Health: Studies*. An interview with Dr. Ronald Ross Watson.
- 2002** The Diamondback University of Maryland. Watzman, A. *Second-hand Smoke*.
2002 *Eating fruits may reduce Second-hand Smoke Risks*. Arizona Daily Wildcat 95:86, pages 1, 6, UA College of Public Health *Study Indicates Antioxidants May Lessen Harmful Effects of Sidestream Cigarette Smoke*.
- 2002** University of Arizona Health Sciences Center Advances, Vol. 17, No. 11.
2002 Arizona College of Public Health News. *Study Indicates Antioxidants may Lessen Harmful Effects of Sidestream Cigarette Smoke*, page 3.
- 2001** *Sun Protection from Vitamins*, Natural Health, page 24.
2001 Environmental Health Perspectives Anderson L. *Antioxidant Antidote Staving off Effects of Side Stream Smoke*. [Lay summary in journal of the National Institute of Environmental Health Sciences] 109: page A490 Tucson Citizen, University of Arizona Mini-Medical School Public Lectures.
- 2001** *Medical Community Overcoming AIDS Phobias*, East Valley Tribune, Arizona.
- 2001** *AIDS Vaccine* in the Why Files on the worldwide web.
2000 Tucson Citizen, *Research Yields Few Patents*, pages 1, 7 [Watson's patent 1 of 11 awarded in 1999 and described in article].
- 2000** Arizona Wildcat, *UA AIDS Research to begin trying New Drug Therapy in Clinical Trials*, page 8.
- 2000** News letter of the University of Arizona, *COPH Researcher Plays Role in Development of New AIDS Therapy*, page 6, 2001.
- 1999** Arizona Daily Wildcat *Pycnogenol may Reduce Health Problems in Smokers, Prof Says*, page 8.
- 1999** InsideTucson Business, *UA Researcher Working on Natural Heart-disease Drug*.
1999 Tucson Citizen, *French Tree's Bark may Block Strokes*, pages 1C, 7C.
1999 University of Arizona. *Treatment of Age Related Heart Dysfunction*.
1999 UA study on *Second Hand Smoke may Boost Restaurant Ban* [Headline], Tucson Citizen, page 1 and 7A.
- 1999** Arizona Daily Wildcat *UA Researchers Support Proposed Smoking Ban*, pages 6 and 9 plus editorial on page 4.
- 1999** Arizona Daily Star, *Smoke Exposure Toxic*, Tucson, page 20.
1999 Tucson Citizen, Letter to editor *Second Hand Smoke Clearly Damaging*, page 21A.
- 1999** Arizona Daily Star, Letter to the editor on *Second Hand Smoke's Toxicity*.
- 1999** Healthy Times, *Promising Therapy to Boost Immune System*, Tucson, Arizona.
1999 Arizona Daily Wildcat, *UA AIDS Treatment May Slow Aging Process in Humans*, page 8.
- 1999** Arizona Daily Wildcat, *UA Profs' AIDS Drug Could be Available Soon*, page 1.

- 1999 The University of Arizona Sarver Heart Center Newsletter, *Making an Old Heart Young Again: UA Researchers are Searching for a Way.* issue 25: 8-91998, Tucson Citizen, Section B, page 1, 3, *UA Researchers Patent Therapy for HIV Patients.*
- 1998 Tucson Citizen, letter to editor, page 11A, *Marijuana Suppresses Health.*
- 1998 Vitamin Retailer, Q&A with the Experts. *Pycnogenol and Heart Disease: The latest research from Dr. Ronald Watson* pages 60-62.
- 1998 Arizona Daily Wildcat, *US Researchers find Vitamin E may Decrease Oxidants in Mice with AIDS*, Front page, and page 7.
- 1998 Cambridge Scientific Abstracts - Hot Topics Series: *The Immunology of Aging.* Number 6 in the list of hottest topics paper Liang, Zhang, Inserra, Lee, Garza, Marchalonis, Watson. *Injection of T cell Receptor Peptide Reduces Immunosenescence in Aged C57BL/6 Mice.* Immunology 93: 462-8, 1998.
- 1997 Tucson Citizen, *Medical data rarely Held up at UA.*
- 1997 Arizona Daily Star, *'90s Miracle Remedies.*
- 1997 Green Valley News, *DHEA Study Shows Promise, Researchers say.*
- 1996 Tucson Citizen Anti-aging pill shows promise - *UA study finds Hormone may Cut Aging Effects*, Front Page.
- 1996 Tribune, *UA finds Hormone Helps Aging*, Chandler, Arizona.
- 1996 The Press, Interview with Chris Moore (at the Press), New Zealand.
- 1996 Dominion Newspaper - Interview with Erin Kennedy, New Zealand.
- 1996 New Zealand Herald, Interview at the Novotel, Auckland, New Zealand.
- 1995 World Foods Alcohol, AIDS and Nutrition: *The Role of Vitamin E and other Antioxidants.* An interview with Dr. Ronald Watson, pages 73-77.
- 1995 Tucson Citizen, front page *AIDS Breakthrough at UA?*
- 1993 Tucson Citizen, Philadelphia Inquirer, Washington Post, Arizona Daily Star, Houston Chronicle, *AIDS and Alcohol Use.*
- 1992 *Prevention File Alcohol, Immunity, and AIDS* (Arizona Researchers study links between alcohol and infectious Disease) pages 15-17.
- 1991 Knight-Rider Syndicate *Beta Carotene, Immunity, and Cancer.*
- 1991 Obesity '91 Update *Beta-carotene Activates Cancer Defense Cells.*
- 1991 FASEB Feature Service News Release, *Beta Carotene Activates Cancer Defense Cells.*
- 1990 Arizona Republic *Beta Carotene and Cancer.*

Citizenship: Intramural

- 2010-13 Substitute for division director when he was out of town
- 2010-11 Member EPI faculty search committee
- 2010-2013 Member, Promotion and Tenure Committee COPH
- 2010 Completion of training in *Preventing Sexual Harassment*
- 2010 Completion of All-Employee Security Awareness Training

2009-10 Head, Health Promotion Sciences Peer Review Committee for 2009
2007-09 Interim Division Director, Health Promotion Sciences, Mel and Enid Zuckerman College of Public Health.

2006-10 Arts Committee co-chair, Mel and Enid Zuckerman College of Public Health.
2006-10 Internship judge for Mel and Enid Zuckerman College of Public Health.
2006-08 Ad Hoc working group on MPH admission requirements, Mel and Enid Zuckerman College of Public Health.

2006-07 Member, Promotion and Tenure Committee, Mel and Enid Zuckerman College of Public Health.

2003-06 Member, Promotion and Progress Peer Review Committee, Division of Health.
2002-09 Member, Partners in Public Health.
2001-02 Dean's Search Committee, Mel and Enid Zuckerman Arizona College of Public Health Promotion Sciences.

2001-02 The President's Club, University of Arizona.
2001-02 Co-Chair, College of Public Health, Accreditation Committee on Research.
2001 Training in Good Laboratory Practices, University of Arizona.
2000-03 Member, Promotion and Tenure Committee, Mel and Enid Zuckerman Arizona College of Public Health.

1999 Biomedical Agreements Workshop, University of Arizona.
1998-99 Member, Self-Study Committee, APC Graduate Interdisciplinary Program, Nutritional Sciences, College of Public Health.

1995-00 Member, Promotional Tenure Committee, Arizona Prevention Center.
1995-01 Member, Arizona Prevention Center.
1995-98 Member, Nutritional Sciences Executive Council.
1994 Representative, University of Arizona School of Medicine, Arizona Seminar of Scholarly Communication.

1992-94 Member, Curriculum Committee, Graduate Programs in Public Health.
1992 Training: Performance Appraisal Fundamentals for Supervisors, University of Arizona.

1991-05 Member, Committee on Graduate Studies, University of Arizona, College of Public Health.

1991-94 Member, Conference Advisory Committee, Native American Training and Research Center.

1991-92 Director, Nutritional Sciences Seminar Committee.
1990-96 Member, Promotion and Tenure Committee, University of Arizona, Department of Family and Community Medicine.

1990-94 Departmental Representative of Foreign Students.
1990 Member, Department Committee, Predoctoral and Postdoctoral Appointments.
1989-01 Applicant Interviewer, University of Arizona School of Medicine.
1989-08 Member, Undergraduate Biology Research Program.
1989-90 Member, Animal Resources Advisory Committee.
1988-01 Speaker, Medical Student Research Program.

- 1988-94** Director, NIAAA Specialized Alcohol Research Center.
1988-94 Director, Laboratory Human Immunology Research at the Veterans Administration Medical Center.
1988-90 SCID Mouse Working Group.
1988 Grant Reviewer, Biomedical Research, Support Grant Committee.
1987-99 Member, Recruiting Committee, Microbiology and Immunology Graduate Program.
1987-89 Member, Advisory Group on Animal Laboratory Space Completion, Division of Animal Resources.
1986-90 Speaker, Gerontology Speakers' Bureau.
1985-94 Examiner, Upper Division Writing Proficiency Exam, University of Arizona, Department of English.
1984-93 Consultant and Participant, Native American Center for Research and Training.
1984-90 Member, Graduate Faculty, Department of Microbiology and Immunology.
1984-85 Member, Committee on Campus Nutrition Seminar Program.
1983-08 Member, Arizona Cancer Center, Immunology and Nutrition.
1982-08 Graduate Faculty Member, Nutrition Sciences University of Arizona.

Citizenship: Extramural

Manuscript Reviews

American Journal of Clinical Nutrition
Nutrition Research
Alcoholism: Clinical Experimental Research
Journal American Dietetic Association
Toxicology and Applied Pharmacology
Pediatric Research
Lipids
Nutrition: An International Journal of Applied and Basic Nutritional Science
Lymphology
Alcohol and Alcoholism
Journal of the American Medical Association
Life Science
Journal of Applied Physiology
American Journal of Physical Anthropology
CRC Press
Clinical Immunology and Immunobiology

Journal Pharmacology and Experimental Therapeutics

Grant Reviews

- 2014** CDMRP BCRP TRN2-EPI-P Panel for post doctoral fellowships
- 2012** Cancer prevention and Research Institute of Texas advising meeting during Innovations in Cancer Prevention and Research Conference Oct 2012 Austin, TX
- 2011** Cancer prevention and Research Institute of Texas advising meeting during Innovations in Cancer Prevention and Research Conference 15 Nov 2011 Austin, TX
- 2011** National Cancer Institute "Exceptional, Unconventional, Research Enabling Knowledge Acceleration" (EUREKA) grant review panel
- 2011** Cancer prevention and Research Institute of Texas
- 2011** NIH Loan Repayment proposal review panel 3
- 2011** NIH Loan Repayment proposal review panel 2
- 2009** S. G. Komen Cure 3-4 Nov Breast Cancer Dallas, TX
- 2009** Breast Cancer for Department of Defense, Virginia 11 June
- 2008** S. G. Komen Cure 4 Nov Breast Cancer
- 2008** Breast Cancer for Department of Defense, Virginia
- 2007** Nutrition and HIV Infection, special NIH panel, NIDDK, Sub-Chair.
- 2007** USDA CSREES graduate education grants.
- 2007** Center Grant Review, National Institute of Diabetes and Digestive and Kidney Diseases.
- 2007** Review of grants on breast cancer, US Department of Defense.
- 2006** Translational Centers in Behavioral Sciences 2006/05 Council ZMH1.
- 2006** National Center for Complementary and Alternative Medicine ZAT1 DB 23.
- 2005-07** USDA CSREES Bioactive Foods grant, Panel Manager.
- 2005** Study section ZDK1 GRB-6 (M2) National Institute of Diabetes, Digestive and Kidney Diseases for AIDS center grants.
- 2005** Review of grants on breast cancer, US Department of Defense.
- 2004** Review of grants on breast cancer, US Department of Defense.
- 2004** Nutrition and HIV Infection, special NIH panel, NIDDK.
- 2004** NIH Center for Scientific Review Special Emphasis Panel: Fetal Basis for Adult Disease.
- 2004** Breast Cancer grant telephone interviewer, US Department of Defense.
- 2004** Center Grant Review, National Institute of Diabetes and Digestive and Kidney Diseases.
- 2003** USDA CSREES Bioactive Foods grant.
- 2003** NIH Toxicology panel.
- 2003** Oncology CAM Special Emphasis Panel at NIH.

2000 Center for Scientific Review ZR G1 AARR-6 (51) Special Emphasis.
1999-03 United States-Israel Bi-National Science Foundation.
1991-92 External reviewer for Canadian Fitness and Lifestyle Research Institute.
1989-92 Research Review Committee of the American College of Sports Medicine Foundation.
1988 Biomedical Research Support Grant Committee University of Arizona.
1987-92 Natural Sciences and Engineering Research Council of Canada.
1984 Consultant to Nutrition Section Head, "Animal Nutrition Research." US Food and Drug Administration
1980-82 National Science Foundation
1980-82 Thrasher Foundation

Professional Organizations, Member

1977-08 American Institute of Nutrition
1975-08 American Association of Immunologists
1980-08 American Society Clinical Nutrition
1976-88 International Society for Preventive Oncology
1976-99 American Society of Microbiology
1978-99 New York Academy of Science
1978-06 American Association for the Advancement of Science
1980-84 Gerontological Society of America
1981-98 Society of Armed Forces Medical Laboratory Scientists
1982-84 Institute of Food Technologists
1982-88 International Association for Vitamin and Nutritional Oncology
1984-08 Collegium Aesculapium
1984-90 Western Society of Allergy and Immunology
1984-94 Society for Mucosal Immunology
1984-88 British Society for Immunology
1985-00 International AIDS Society
1986-06 Research Society on Alcoholism
1986-07 International Society for Biomedical Research on Alcoholism
1986-90 International Nutritional Immunology Group

PUBLICATIONS/CREATIVE ACTIVITY

Patents

16 Aug 2011 Marchalonis JJ, **Watson** RR. Patent #7998926 *Dimerized T-cell receptor fragment, its compositions and use*

Jan 2008 Marchalonis JJ, Schluter S, **Watson RR**. U.S. Patent #7,323,174 *Modulation of Immune Response and Methods Based Thereon*.

June 1999 U.S. patent. J Marchalonis, **Watson RR**. #5,911,990 *T-cell Receptor Peptides and Methods for Preventing the Progression to AIDS in an Animal Model*.

Foo LY, Lu Y, **Watson RR**. "Extracts of Passion Fruit and Uses Thereof." U.S. Patent 7,390,517 , issued 24 June 2008.

Foo LY, Lu Y, **Watson RR**. "Extracts of Passion Fruit and Uses Thereof." U.S. Patent 7,687,089 , issued 30 March 2010.

Foo LY, Lu Y, **Watson RR**. "Extracts of Passion Fruit and Uses Thereof." U.S. Patent 7,740,888, issued 22 June 2010.

.Foo LY, Lu Y, **Watson RR**. "Method of Treating Inflammation Disorders Using Extracts of Passion Fruit". U.S. Patent 7,691,423, issued 6 April 2010

IRL and SWSEC (**Watson RR**) "Method of Treating Inflammation Disorders Using Extracts of Passion Fruit". Japanese patent # 481318 2 September 2011

Scholarly Books

Preedy VR, **Watson RR**. *Olives and Olive Oil in Health and Disease Prevention- Second edition*, Academic Press, in preparation 2019

Preedy VR, **Watson RR**, Patel V. *Nuts and Seeds in Health and Disease Prevention, Second edition*, Academic Press, in preparation 2018

Watson RR, Preedy VR *Nutrition in the Prevention and Treatment of Abdominal Obesity Elsevier- Second edition*, Elsevier, in preparation 2018

Watson RR, Preedy VR, Patel V *Flour and Breads and Their Fortification in Health and Disease Prevention- Second edition*, Elsevier, in preparation 2018

Watson RR, Preedy VR. *Omega 3 and 6 Fatty Acids in Health*, Elsevier, *Second edition*, Elsevier, in preparation 2018

152. **Watson RR**, Preedy VR *Dietary Interventions in Gastrointestinal Disease: Food, Nutrients and Dietary Supplements - Second edition*, Elsevier, in preparation 2018

151. **Watson RR**, Preedy VR *Dietary Interventions in Liver Disease: Food, Nutrients and Dietary Supplements - Second edition*, Elsevier, in preparation 2018

150. **Watson RR**, Preedy VR , Zibadi S. *Polyphenols in Prevention and treatment of Human Disease, second edition* vol. 1- *Second edition*, Elsevier, in preparation 2018
149. **Watson RR**, Preedy VR , Zibadi S. *Polyphenols in Prevention and treatment of Human Disease, second edition* vol. 2- *Second edition* Elsevier, in preparation 2018
148. **Watson RR**, Preedy VR *Bioactive Food as Dietary Interventions for Diabetes- Second edition* Elsevier, in preparation 2018
147. **Watson RR** *Polyphenols in Plant-Second edition*, Elsevier, in preparation 2018
146. **Watson RR**, Preedy VR *Bioactive Food as Dietary Interventions for Arthritis and Related Inflammatory Disease- Second edition*, Elsevier, in preparation 2018
145. **Watson RR**, Singh RB, Takahashi T *The Role of Functional Food Security in Global Health*, Elsevier, in preparation 2018
144. Preedy V., **Watson RR** *HIV/AIDS: Oxidative Stress and Dietary Antioxidants*, Elsevier, pages 1-267, 2017
143. **Watson RR**, Zibadi, S. *Handbook of Nutrition in Heart Health* Wageningen Academic Publishers pages 1-563, 2017
142. **Watson RR**, Collier RJ. Preedy VR. *Dairy in Human Health and Disease Across the lifespan*, Academic Press (Elsevier), pages 1-473, 2017
141. **Watson RR**, Collier RJ. Preedy VR *Nutrients in Dairy and Their Implications for Health and Disease*, Academic Press (Elsevier), pages 1-476, 2017
140. **Watson RR**, *Nutrition and Functional Foods for Healthy Aging*, Academic Press (Elsevier), pages 1-367, 2017
139. **Watson RR**, Zibadi, S. *Addictive Substances and Neurological Disease: Alcohol, Tobacco, Caffeine, and Drugs of Abuse in Everyday Lifestyles.*, Elsevier pages 1-398, 2017
138. **Watson RR**, Zibadi, S. *Nutritional Modulators of Pain in the Aging Population*. Academic Press (Elsevier) pages 1-298, 2017
137. **Watson RR**, *Physical Activity and the Aging Brain, Effects of Exercise on Neurological function*, Elsevier, pages 1-221, 2017
136. **Watson RR** William D. S. Killgore. *Nutrition and Lifestyle in Neurological Autoimmune Diseases: Multiple Sclerosis*, Academic Press (Elsevier) pages 1-288, 2017
135. **Watson RR**, De Meester F. *Handbook of Cholesterol*, Human Health Handbooks volume 11, Wageningen Academic Publishers, pages 1-494, 2016
134. **Watson RR**, Preedy VR. *Fruits, Vegetables, and Herbs: Bioactive Foods in Health Promotion*, Academic Press pages 1-593, 2016

133. **Watson RR**, Mahadevan D. *Handbook of Nutrition and Diet in Leukemia and Blood Disease Therapy*, Volume 12 in Human Health Handbooks Wageningen Academic Publishers pages 1-378, 2016
132. **Watson RR**, Mahadevan D. *Handbook of Nutrition and Diet in Therapy of Bone Diseases*, Wageningen Academic Publishers in press, pages 1-503, 2016
131. **Watson RR**, De Meester F. *Handbook of Lipids in Human Function: Fatty Acids*, Elsevier pages 1-809, 2016
130. **Watson RR**, Preedy VR. *Genetically Modified Organisms in Food: Production, Safety, Regulation and Public Health* Academic Press pages 1-494, 2015
129. **Watson RR**, Preedy V.R. *Probiotics, Prebiotics, and Synbiotics: Bioactive Foods in Health Promotion*. Elsevier, pages 1-908, 2015
128. **Watson RR**, *Handbook of Fertility: Nutrition, Diet, Lifestyle and Reproductive Health*, Elsevier, pages 1-435, 2015
127. **Watson RR**, *Health of HIV Infected People: Food, Nutrition and Lifestyle Without Anti-retroviral Drugs* Elsevier pages 1-400, 2015
126. **Watson RR**, *Health of HIV Infected People: Food, Nutrition and Lifestyle With Anti-retroviral Drugs* Elsevier pages 1-608, 2015
125. **Watson RR** *Foods and Dietary Supplements in the Prevention and Treatment of Disease in Older Adults*, Elsevier, pages 1-380, 2015
124. **Watson RR**, Dokken BB. *Glucose Intake and Utilization in Pre-diabetes and Diabetes: Implications of Cardiovascular disease*, Elsevier, pages 1-414, 2015
123. **Watson RR**, De Meester F. *Eggs in Human Health*, Wageningen Academic Publishers, pages 1-672, 2015
122. **Watson RR**, Preedy VR. *Dietary Supplements in Brain and Neurological Health*, Elsevier pages 1-528, 2015
121. **Watson RR** Preedy VR. *Genetically Modified Organisms in Food: Production, Safety, Regulation and Public Health* Academic Press pages 1-494, 2015
120. **Watson RR**, Tabor JA, Ehiri JE, Preedy, VR. *Handbook of Public Health in Natural Disasters: Nutrition, Food,*

Remediation and Preparation, Wageningen Academic Publishers, pages 1-608, 2015

120. Preedy VR, **Watson RR**. *The Mediterranean Diet: An Evidence-based Approach to Disease Prevention*, Elsevier pages 1-698, 2014

119. **Watson RR** *Diet and Exercise in Cystic Fibrosis*, Elsevier pages 1-392, 2014

118. **Watson RR**, De Meester F. *Omega 3 Fatty Acids in Brain and Neurological Health*, Elsevier, pages 1-468, 2014

117. **Watson RR**, *Modulation of Sleep by Obesity, Diabetes, Age and Diet*, Academic Press, pages 1-385, 2014

116. Preedy VR, **Watson RR** and Zibadi S. *Handbook of Dietary and Nutritional Aspects of Bottle Feeding*, Wageningen Academic Publishers pages 1-662, 2014

115. **Watson RR**. *Nutrition in the Prevention and Treatment of Abdominal Obesity* Elsevier Pages 1-538, 2014

114. **Watson RR**, Preedy VR and Zibadi S *Wheat and Rice in Disease Prevention and Health*, Elsevier pages 1-557, 2014

113. **Watson RR**. *Polyphenols in Plants: Isolation, Purification and Extract Preparation*, Elsevier pages 1-331, 2014

112. **Watson RR**, Preedy VR and Zibadi S. *Polyphenols in Health and Diseases* Volume 1 pages 1-874, Elsevier, 2013

111. **Watson RR**, Preedy VR and Zibadi S. *Polyphenols in Health and Diseases* Volume 2 pages 875-1425, Elsevier, 2013

110. Preedy V, **Watson RR**, Patel V. B. *Handbook of Cheese in Health: Production, Nutrition and Medical Sciences*, Wageningen Academic Publishers pages 1-872, 2013

109. Zibadi S, **Watson RR**, Preedy VR, *Handbook of Dietary and Nutritional Aspects of Human Breast Milk*, Wageningen Academic Publishers pages 1-852, 2013

108. Hollins, CJ, **Watson, RR**, Preedy VR. *Nutrition and Diet in Menopause*, Humana Press pages 1-469, 2013

107. **Watson RR**, Preedy VR, Grimble, G. *Nutrition in Infancy*, Humana Press Vol. 2, pages 1-390, 2013

106. **Watson RR**. *Handbook of Vitamin D in Human Health: Prevention, Treatment, and Toxicity*, Wageningen Academic Publishers, pages 1-729, 2013

105. De Meester F, Zibadi S, **Watson RR**, *Omega-6/3 Fatty Acids: Functions, Sustainability Strategies and Perspectives*, Humana Press pages 1- 417, 2013

104. **Watson RR**, Zibadi S. *Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology*, Springer/Humana pages 1-544, 2012
103. **Watson RR**, Zibadi S, Preedy VR *Magnesium in Health and Disease*, Humana Press pages 1-309, 2012
102. **Watson RR**, Preedy VR, Grimble, G. *Nutrition in Infancy*, Humana Press Vol 1, pages 1-467, 2012
101. Tan B, **Watson RR**, Preedy VR *Tocotrienols: Vitamin E Beyond Tocopherols – 2nd Edition*, Taylor & Francis, and Humana Press pages 1-377, 2012
100. **Watson RR**, Preedy VR. *Bioactive Food as Dietary Interventions for Cardiovascular Disease*. Elsevier pages 1-719, 2012
99. **Watson RR**, Preedy VR. *Bioactive Food as Dietary Interventions for Diabetes*. Elsevier pages 1-633, 2012
98. **Watson RR**, Preedy VR. *Bioactive Food as Dietary Interventions for The Aging Population*. Elsevier pages 1-493, 2012
97. **Watson RR**, Preedy VR. *Bioactive Food as Dietary Interventions for Arthritis and Related Inflammatory Diseases*. Elsevier pages 1-654, 2012
96. **Watson RR**, Preedy VR. *Bioactive Food as Dietary Interventions for Liver and Gastrointestinal Disease*. Elsevier pages 1-774, 2012
95. **Watson RR**, Preedy VR *Alcohol, Nutrition, and Health Consequences*, Humana Press pages 578, 2012
94. **Watson RR**, Preedy, V. *Chocolate in Health and Nutrition*, Humana Press, pages 553, 2012
93. **Watson RR**. *Melatonin in the Promotion of Health 2nd Edition*
Taylor and Francis, pages 566, 2011
92. Preedy VR, **Watson RR**, Martin CM. *Handbook of Behavior, Food and Nutrition* Springer, Volume 1 pages 1-1564-814, 2011
91. Preedy VR, **Watson RR**, Martin CM. *Handbook of Behavior, Food and Nutrition* Springer, Volume 2 pages 817-1566, 2011
90. Preedy VR, **Watson RR**, Martin CM. *Handbook of Behavior, Food and Nutrition* Springer, Volume 3 pages 1569-2213, 2011
89. Preedy VR, **Watson RR**, Martin CM. *Handbook of Behavior, Food and Nutrition* Springer, Volume 4 pages 2217-2894, 2011
88. Preedy VR, **Watson RR**, Martin CM. *Handbook of Behavior, Food and Nutrition* Springer, Volume 5 pages 2897-3600, 2011
87. **Watson RR** *DHEA in Human Health and Aging*, Taylor and Francis, pages 452, 2011

86. Preedy VR, **Watson** RR, Patel V. *Flour and Breads and their Fortification in Health and Disease Prevention*, Elsevier, pages 524, 2011
85. Preedy VR, **Watson** RR, Patel V. *Nuts and Seeds in Health and Disease Prevention*, Elsevier (Academic Press), pages 1189, 2011
84. **Watson** RR, Gerald JK, Preedy VR. *Nutrients, Dietary Supplements, and Nutraceuticals: Cost Analysis versus Clinical Benefits*, Humana Press, pages 486, 2010
83. **Watson** RR, Preedy VR. *Bioactive Foods and Extracts: Cancer Treatment and Prevention*, CRC Press part of Taylor and Francis, pages 643, 2010
82. **Watson** RR, Zibadi S, Preedy V. *Dietary Supplements and Immune Function*, Humana Press and Springer, pages 1-693, 2010
81. **Watson** RR and Preedy VR. *Bioactive foods in Promoting Health: Probiotics and Prebiotics*, Elsevier, pages 1- 638, 2010
80. Preedy VR, **Watson** RR. *Olives and Olive Oil in Health and Disease Prevention* Academic Press, pages 1-1479, 2010
79. De Meester F, Zibadi S, **Watson** RR. *Modern Dietary Fat Intakes in Disease Promotion*. Humana Press, pages 1-470, 2010
78. **Watson** RR and Preedy VR. *Bioactive Foods in Promoting Health: Fruits and Vegetables*, Elsevier, pages 737, 2009
77. Preedy VR, **Watson** RR. *Handbook of Disease Burdens and Quality of Life Measures* Springer, vol. 6 pages 3690-4447, 2009
76. Preedy VR, **Watson** RR. *Handbook of Disease Burdens and Quality of Life Measures* Springer, vol. 5 pages 2965-3689, 2009
75. Preedy VR, **Watson** RR. *Handbook of Disease Burdens and Quality of Life Measures* Springer, vol. 4 pages 2255-2964, 2009
74. Preedy VR, **Watson** RR. *Handbook of Disease Burdens and Quality of Life Measures* Springer, vol. 3 pages 1470-2254, 2009
73. Preedy VR, **Watson** RR. *Handbook of Disease Burdens and Quality of Life Measures* Springer, vol. 2 pages 783-1469, 2009
72. Preedy VR, **Watson** RR. *Handbook of Disease Burdens and Quality of Life Measures* Springer, vol. 1 pages 1-782 2009
71. Preedy VR, Lakshman R, Srirajaskanthan R, **Watson** RR. *Nutrition, Diet Therapy, and the Liver*. CRC Press part of the Taylor & Francis group, pages 373, 2009
70. Preedy VR **Watson** RR. *Comprehensive Handbook of Iodine: Nutritional, Biochemical, Pathological and Therapeutic Aspects*. Elsevier, pages 1312, 2009
69. **Watson** RR. *Fatty Acids in Health Promotion and Disease Prevention*. The American Oil Chemists Society, and Taylor & Francis pages 857, 2009
68. **Watson** RR and Preedy VR. *Complementary and Alternative Therapies and the Aging Population: An Evidence-Based Approach*. Elsevier, pages 597, 2008
67. Preedy VR. **Watson** RR. *Lycopene: Nutritional, Medicinal and Therapeutic Properties*, Science Publishers, pages 451, 2008
66. **Watson** RR and Preedy VR. *Beyond Vitamin E: Tocotrienols*. American Oil Chemists

- Society and Taylor & Francis, pages 403, 2008.
65. **Watson RR.** *Handbook of Nutrition in the Aged: Fourth Edition.* Taylor & Francis, pages 364, 2008
 64. **Watson RR.** Preedy VR. *Encyclopedia of Herbal Medicines in Clinical Practice.* C.A. B. I., pages 915, 2008
 63. Preedy VR. **Watson RR.** *Tomatoes and Tomato Products: Nutritional, Medicinal and Therapeutic Properties.* Science Publishers, pages 643, 2008
 62. **Watson RR,** Larson DF. *Immune Dysfunction and Immunotherapy in Heart Disease.* Blackwell, 2007, 328 pages.
 61. De Meester F, **Watson RR.** *Wild-Type Food in Health Promotion and Disease Prevention-The Columbus Concept.* Humana Press, 2007, 558 pages.
 60. Preedy VR, **Watson RR.** *Encyclopedia of Vitamin E.* C. A. B. I., 2007, 962 pages.
 59. Preedy VR, **Watson RR.** *Reviews in Food and Nutrition Toxicity,* CRC Press, Vol. IV, 2005, 304 pages.
 58. Preedy VR, **Watson RR.** *Reviews in Food and Nutrition Toxicity,* CRC Press Vol. III, 2005, 277 pages.
 57. Preedy VR, **Watson RR.** *Comprehensive Handbook of Alcohol Related Pathology.* Elsevier Academic Press, Vol. III, 2005, 475 pages.
 56. Preedy VR, **Watson RR.** *Comprehensive Handbook of Alcohol Related Pathology.* Elsevier Academic Press, Vol. II, 2005, 557 pages.
 55. Preedy VR, **Watson RR.** *Comprehensive Handbook of Alcohol Related Pathology.* Elsevier Academic Press, Vol. I, 2005, 555 pages.
 54. **Watson RR.** *AIDS and Heart Disease.* Marcel Dekker Inc., 2nd printing in paperback for Glaxo Smith Kline, 2005, 411 pages.
 53. Preedy VR., **Watson RR.** *Reviews in Food and Nutrition Toxicity.* CRC Press, Vol. II, 2004, 240 pages.
 52. **Watson RR,** Preedy VR. *Nutrition and Alcohol: Linking Nutrient Interactions and Dietary Intake.* CRC Press, 2004, 429 pages.
 51. Preedy VR, **Watson RR.** *Reviews in Food and Nutrition Toxicity.* Taylor & Francis, Vol. I, 2003, 458 pages.
 50. **Watson RR,** Preedy VR. *Nutrition and Heart Disease: Treatment and Prevention.* CRC Press, 2003, 354 pages.
 49. **Watson RR.** *Functional Foods and Nutraceuticals in Cancer Prevention.* Iowa State University Press, 2003, 315 pages.
 48. Sherman DIN, Preedy VR, **Watson RR.** *Ethanol and the Liver.* Taylor & Francis, 2002, 689 pages.
 47. Lowery PB, Cherrington JO, **Watson RR.** *E-Business Handbook.* St. Lucie Press, 2002, 498 pages.
 46. **Watson RR.** *Eggs and Health Promotion.* Iowa State University Press, 2002, 202 pages.
 45. **Watson RR** and Myers, A.K. *Alcohol and Heart Disease.* Taylor and Francis, 2002, 228 pages.

44. Preedy, VR, **Watson** RR. *Nutrition in the Infant: Problems and Practical Procedures*. Greenwich Medical Media, 2001, 447 pages.
43. **Watson** RR. *Nutrition and AIDS II: Prevention and Treatment*. CRC Press, 2000, 231 pages.
42. **Watson** RR. *Vegetables, Fruits, and Herbs in Health Promotion*. CRC Press, 2000, 341 pages.
41. **Watson** RR. *Alcohol and Coffee Use in the Aging*. CRC Press, 2000, 129 pages.
40. **Watson** RR. *Handbook of Nutrition in the Aged: Third Edition*. CRC Press, 2000, 361 pages.
39. Witten M, **Watson** RR. *Environmental Tobacco Smoke*. CRC Press, 2000, 377 pages.
38. **Watson** RR. *Health Promotion and Aging: The Role of Dehydroepiandrosterone (DHEA)*. Harwood Academic Publishers, 1999, 164 pages.
37. **Watson** RR. *Melatonin in the Promotion of Health*. CRC Press, 1998, 224 pages.
36. Preedy, VR and **Watson** RR. *Methods in Disease: Investigating the Gastrointestinal Tract*. Greenwich Medical Media Ltd, London, U.K. 1998, 373 pages.
35. **Watson** RR. *Nutrients and Foods in AIDS*. CRC Press, 1998, 228 pages.
34. **Watson** RR. *Trace Elements in Laboratory Rodents*. CRC Press, 1996, 391 pages.
33. Preedy, V.R. and **Watson** RR. *Alcohol and the Gastrointestinal Tract*. CRC Press, 1995, 347 pages.
32. **Watson** RR, Mufti, S. *Nutrition and Cancer Prevention*. CRC Press, 1995, 343 pages.
31. **Watson** RR. *Alcohol, Drugs of Abuse and Immune Functions*. CRC Press, 1995, 264 pages.
30. **Watson** RR. *Substance Abuse during Pregnancy and Childhood*. Humana Press, 1995, 126 pages.
29. **Watson** RR. *Alcohol, Cocaine, and Accidents*. Humana Press, 1995, 214 pages.
28. **Watson** RR. *Alcohol and Hormones*. Humana Press, 1995, 339 pages.
27. **Watson** RR. *Nutrition and AIDS*. CRC Press, 1994, 275 pages.
26. **Watson** RR. *Addictive Disorders in Women*. Humana Press, 1994, 526 pages.
25. **Watson** RR. *Alcohol, Drugs of Abuse and Immunomodulation*. Pergamon Press. *Advances in Biosciences*, Vol 86, 1993, 701 pages.
24. **Watson** RR. *Handbook of Nutrition in the Aged* Second Edition. CRC Press, 445 pages.
23. **Watson** RR. *Alcohol Abuse Treatment*. Humana Press, 1992, 327 pages.
22. **Watson** RR. *Alcohol and Cancer*. CRC Press, 1992, 266 pages.
21. **Watson** RR and Eisinger M. *Exercise: Disease and Cancer Resistance*. CRC Press, 1992, 220 pages.
20. **Watson** RR. *Alcohol and Neurology*. II. Brain Development and Hormone Regulation. CRC Press, 1992, 396 pages.
19. **Watson** RR. *Alcohol and Neurobiology*. I. Receptors, Membranes and Channels. CRC Press, 1992, 132 pages.

18. **Watson RR**, Watzl B. *Nutrition and Alcohol*. CRC Press, 1992, 470 pages.
17. **Watson RR**. *In Vitro Methods in Toxicology and Pharmacology*. CRC Press, 298 pages.
16. **Watson RR**. *Drug Abuse Treatment*. Humana Press, 1992, 206 pages.
15. **Watson RR**. (Series editor). *Biology of Substance Abuse*. 1990-1992.
14. **Watson RR**. *Drugs of Abuse and Neurobiology*. CRC Press, 1992, 348 pages.
13. **Watson RR**. *Liver Pathology and Alcohol*. Humana Press, 1991, 620 pages.
12. **Watson RR**. *Drug and Alcohol Abuse Prevention*. Humana Press, 1991, 408 pages.
11. **Watson RR**. *Biochemistry and Physiology of Substance Abuse*. CRC Press, Vol III, 1991, 395 pages.
10. **Watson RR**. *Drugs of Abuse and Immune Functions*. CRC Press, 1990, 237 pages.
9. **Watson RR**. *Biochemistry and Physiology of Substance Abuse*. CRC Press, Vol II, 1990, 290 pages.
8. **Watson RR**. *Biochemistry and Physiology of Substance Abuse*. CRC Press, Vol I, 1989, 253 pages.
7. **Watson RR**. *Cofactors in HIV-1 Infection and AIDS*. CRC Press, 1989, 246 pages.
6. Seminara D, Pawlowski A, **Watson RR**. *Alcohol, Immunomodulation and AIDS*. *In: Progress Clinical Biology Research*. Vol 325, 1990, 457 pages.
5. **Watson RR**. *Diagnosis of Alcohol Abuse*. CRC Press, 1989, 275 pages.
4. **Watson RR**. *Nutrition and Heart Disease*. CRC Press. Vol II, 1987, 147 pages.
3. **Watson RR**. *Nutrition and Heart Disease*. CRC Press. Vol I, 1987, 148 pages.
2. **Watson RR**. *Handbook of Nutrition in the Aged*. CRC Press, 1-355, 1985
1. **Watson RR**. *Nutrition, Disease Resistance, and Immune Function*. Volume in Immunology Series (M. Dekker, Inc.), 1-436, 1984

Peer Reviewed Journal Articles

284. **Watson RR**, Schonlau F. Nutraceutical and antioxidant effects of a delphinidin-rich maqui berry extract Delphinol: a review *Minerva Cardioangiologica* 62: 1-12, 2015
283. Chilakapati, SR, Serasnambati M, Manikonda PK, Chilapatati, DR, **Watson RR**. *Passion fruit peel extract attenuates bleomycin-induced pulmonary fibrosis in mice*. *Can. J. Physiol. Pharmacol.* 02:631-639, 2014
282. I, Nagaraju I, Reddy KK, Kumari CK, Reddy EB, Dattatreya SR Damodar Reddy CD, **Watson RR**. *Efficacy of Purple Passion Fruit Peel Extract in Lowering Cardiovascular Risk Factors in Type II Diabetic Subjects*. *Journal of Evidence Based Complementary and Alternative Medicine* 1-8, 2013
281. Ho J-N, Kang E-R, Yon, H-G, Jeon H, Jun W, **Watson RR**, Lee, J. Inhibition of premature death by isothiocyanates through immune restoration in LP-BM5 leukemia retrovirus-infected C57BL/6 mice. *Biosci. Biotechnol Biochem* 75: 1234-1239, 2011

280. Zibadi S, Cordova F, Slack ES, **Watson RR**, Larson DF. Leptin's regulation of obesity-induced cardiac extracellular matrix remodeling, *Cardiovascular Toxicology*, 11: 325-333, 2011
279. Min J, **Watson RR**, Farid R, Foo Y. Passion fruit extract in osteoarthritis symptom treatment, *AgroFOOD Industry Hi-tech* 22 issue 2, 24,26,28, 2011
278. Zibadi S, Vazquez R, Larson DF, **Watson RR**. T lymphocyte regulation of lysyl oxidase in diet-induced cardiac fibrosis. *Cardiovas Toxicol* 10:190-206, 2010
277. Farid R, Rezaieyazdi Z, Mirfeizi MR, Hatef M, Mirheidari H, Mansouri H, Esmaili H, Bentley G, Lu Y, Foo Y, **Watson RR**. Oral Intake of purple passion fruit peel extract reduces symptoms of knee osteoarthritis. *Nutrition Research*, 30: 601-606, 2010
276. Zibadi S, Vazquez R, Moore D, Larson DF, **Watson RR**. Myocardial lysyl oxidase regulation of cardiac remodeling in a murine model of diet-induced metabolic syndrome. *Am J Physiol Heart Circ Physiol* 297: H976-82,2009
275. Zibadi S, Rohdewald P, Watson RR. Reduction of cardiovascular risk factors in subjects with type 2 diabetes by Pycnogenol supplementation. *Nutrition Research* 28: 315-320, 2008
274. **Watson RR**, Zibadi S, Rafatpanah H, Jabbari F, Ghasemi R, Mirri S, Ghafari A, Afrasiabi A, Foo LY, Farid R. Oral administration of the purple passion fruit peel extract reduces asthma symptoms in humans. *Nutrition Research* 2008, 166-171
273. Farid R, Mirfeizi Z, Mirheidari M, Rezaieyazdi Z, Mansouri H, Esmaili H, Zibadi S, Rohdewald P, **Watson RR**. Pycnogenol supplementation reduces pain and stiffness and improves physical function in adults with knee osteoarthritis. *Nutrition Research* 27: 692-697, 2008
272. Zibadi S, Farid R, Moriguchi S, Lu Y, Foo LY, Tehrani P M, Ulreich JB, **Watson RR**. Antihypertensive effects of purple passion fruit peel extract in rats and humans. *Nutrition Research* 27:408-416, 2007
271. Zibadi S, Yu, Q, Rohdewald PJ, Larson DF, **Watson RR**. Impact of Pycnogenol on cardiac extracellular matrix remodeling induced by L-NAME administration to old mice. *Cardiovascular Toxicology* 7:16-18, 2007.
270. **Watson RR**, Zhang D, Lu Y, Foo Y. Polyphenolic plant extracts and cancer reduction. *The Amazing Egg- Nature's Perfect Functional Food for Health Promotion*. University of Alberta publishing pps 417-439, 2006.
269. Yu Q, **Watson RR**, Marchalonis JJ, Larson DF. A role for T Lymphocytes in mediating cardiac diastolic function. *American Journal Physiology Heart Circulation Physiology* 289: H643-H651, 2005: doi10.1152/ajpheart.00073.2005.
268. Lopez MC, **Watson RR**. Alterations in mesenteric lymph node T cell phenotype and cytokine secretion are associated with changes in thymocyte phenotype after LP-BM5 retrovirus infection. *Clinical and Developmental Immunology* 12: 249-257, 2005.
267. Alwardt CM, Yu Q, Brooks HL, McReynolds MR, Vazquez R, **Watson RR**, Larson DF. Comparative effects of dehydroepiandrosterone sulfate on ventricular diastolic

- function with young and aged female mice. *American Journal of Physiology and Regulation of Integral Complementary Physiology* 290: 251-256, 2006. First published Aug 4, 2005: doi10.1152/ajpregu.00272.2005.
266. Lee J, Park C-S, Chung M-Y, Cho D-H, **Watson** RR. Reduced micronutrient intake accentuates premature death caused by immune dysfunction in Leukemia retrovirus-infected C57BL/6 mice. *Nutrition Research* 25:401-412, 2005.
265. Sepulveda, RT, Marchalonis JJ, **Watson** RR. T-cell receptor V β 8.1 peptide reduces Coxsackievirus induced cardiopathology in aged mice. *Cardiovascular Toxicology* 5:21-28, 2005.
264. Beischel JM, Larson DF, Yu Q, Yang B, Sepulveda RT, Kelly T, **Watson** RR. Retrovirally induced dilated cardiomyopathy (DCM) in murine AIDS. *Cardiovascular Toxicology* 4:317-326, 2004.
263. Yu Q, Larson DF, Slayback D, Baxter JH, **Watson** RR. Characterization of high salt and high fat diets on cardiac and vascular function in mice. *Cardiovascular Toxicology* 4:37-46, 2004.
262. Yang B, Larson DF, Shi J, Gorman M, Beischel J, Jiang S, **Watson** RR. Modulation of iNOS activity in age-related cardiac dysfunction. *Life Science* 75:655-667, 2004.
261. Chen Y, Mendoza S, Davis-Gorman G, Cohen Z, Gonzales R, Tuttle H, McDonagh PF, **Watson** RR. Neutrophil activation by murine retroviral infection during chronic ethanol consumption. *Alcohol Alcoholism* 38:109-114, 2003.
260. Weeks J, **Watson** RR, Dunn MJ. Murine retrovirus infection and the effect of chronic alcohol consumption: Proteomic analysis of cardiac protein expression. *Alcohol Alcoholism* 38:103-108, 2003.
259. Chen, Y, Davis-Gorman G, **Watson** RR, McDonagh PF. Platelet CD62p expression and microparticle formation in murine AIDS and chronic ethanol consumption. *Alcohol Alcoholism* 38:25-30, 2003.
258. Chen Y, Davis-Gorman G, **Watson** RR, McDonagh PF. Chronic ethanol consumption modulates ischemia-reperfusion injury in murine AIDS. *Alcohol Alcoholism* 38:18-24, 2003.
257. Lopez MC, Huang DS, **Watson** RR. Changes in mesenteric lymph node T cell phenotype and B and T cell homing properties after murine AIDS. *Lymphology* 35:76-86, 2002.
256. Zhang J, Liu YY, Shi J, Larson DF, **Watson** RR. Side-stream cigarette smoke induces systemic inflammatory cytokine production, tissue lipid peroxidation and heart contractile dysfunction in mice. *Experimental Biology and Medicine* 227:823-829, 2002.
255. Chen Y, Davis-Gorman G, **Watson** RR, McDonagh PF. Ethanol modulates coronary permeability to macromolecules in murine AIDS. *Alcohol Alcoholism* 17:555-560, 2002.
254. Chen Y, Davis-Gorman G, **Watson** RR, McDonagh PF. Vitamin E alternatives ischemia-reperfusion injury in murine AIDS. *Cardiovascular Toxicology* 2:119-127, 2002.
253. Yu Q, Zhang D, Walston M, Zhang J, Liu Y, **Watson** RR. Chronic methamphetamine exposure alters immune function in normal and retrovirus-infected mice. *International Immunopharmacology* 2:951-962, 2002.

252. Wang S, Sun NN, Zhang J, **Watson** RR, Witten ML. Immunomodulatory effects of high-dose alpha-tocopherol acetate on mice subjected to side stream cigarette smoke. *Toxicology* 175:235-245, 2002.
251. Zhang J, Du EE-J, **Watson** RR. Side stream cigarette smoke accentuates immunomodulation during murine AIDS. *International Immunopharmacology* 2:759-766, 2002.
250. Yu Q, Montes S, Larson DF, **Watson** RR. Effects of chronic methamphetamine exposure on heart function in uninfected and retrovirus-infected mice. *Life Science* 71:953-965, 2002 .
249. Sepulveda RT, Zhang J, **Watson** RR. Selenium supplementation decreases Cocksackievirus heart disease during murine AIDS. *Cardiovascular Toxicology* 2:53-61, 2002.
248. Yang B, Larson DF, Beischel J, Kelley R, Shi J, **Watson** RR. Validation of conductance catheter system for quantification of murine pressure-volume loops. *Journal of Investigative Surgery* 14:341-355, 2001.
247. Sepulveda RT, Jiang S, Besselsen DG, **Watson** RR. Alcohol consumption and Cocksackievirus B3 infection during murine AIDS increase heart pathology. *Alcohol Alcoholism* 37:157-163, 2002.
246. Hosseini S, Pishnamazi S, Sadrzaren SMH, Farid F, Farid R, **Watson** RR. Pycnogenol in the management of asthma. *Journal of Medicinal Food* 4:201-210, 2001.
245. Hosseini S, Lee J, Sepulveda RT, **Watson** RR. A randomized, double-blind, placebo-controlled, prospective, 16 week crossover study to determine the role of pycnogenol in modifying blood pressure in mildly hypertensive patients. *Nutrition Research* 21:1251-60, 2001
244. Colombo LL, Lopez MC, Chen GJ, **Watson** RR. In vitro response of v-Ha-ras transgenic mouse lymphocytes after in vivo treatment with cocaine. *Immunopharmacology and Immunotoxicology* 23: 607-616, 2001.
243. Colombo LL, Lopez MC, Chen GJ, **Watson** RR. In vitro response of vHa-ras transgenic mouse lymphocytes after in vivo treatment with alcohol. *Immunopharmacology and Immunotoxicology* 23: 597-606, 2001.
242. Saliou C, Rimbach G, Moini H, McLaughlin L, Hosseini S, Lee J, **Watson** RR, Packer L. Solar ultraviolet-induced erythema in human skin and nuclear factor-kappa-B dependent gene expression in keratinocytes is modulated by a French maritime pine bark extract. *Free Radical Biology and Medicine* 30:154-160, 2001.
241. Shi J, Larson DF, Yang B, Hunter K, Gorman M, Montes S, Beischel J, **Watson** RR. Differential effects of acute alcohol treatment on cardiac contractile function in young and senescent mice. *Alcohol* 24:197-204, 2001.
240. Liang B, Jiang S, Zhang Z, Inserra P, Lee J, Solkoff D, **Watson** RR. Anti-inflammatory effects of theophylline: Modulation of immune functions during murine leukemia virus infection. *Immunopharmacology and Immunotoxicology* 23:307-319, 2001.

239. Zhang J, Jiang S, **Watson** RR. Antioxidant supplementation prevents oxidation and inflammatory responses induced by side-stream cigarette smoke in old mice. *Environmental Health Perspectives* 109:1007-1009, 2001.
238. Yang B, Larson DF, Kelley R, Beischel J, **Watson** RR. Conductivity: An issue for the application of the conductance catheter system in mice. *Cardiovascular Engineering* 5:57-60, 2000.
237. Larson DF, Yang B, Shi J, Gorman M, **Watson** RR. Senescent ventricular dysfunction: Issues related to cardiopulmonary bypass. *Journal of Extra-Corporeal Technology* 32:142-147, 2000.
236. Colombo LL, Stazzone A, Chen GJ, Lopez MC, **Watson** RR. Behavioral and immune changes in v-Ha-ras transgenic mice. *Immunopharmacology and Immunotoxicology* 22:339-356, 2000.
235. Sepulveda RT, Jiang S, Bellamy W, **Watson** RR. Cocaine injection and Coxsackievirus B3 infection during murine AIDS increase heart pathology. *Journal of AIDS* 25:S19-S26, 2000.
234. Lee J, Jiang S, Levine N, **Watson** RR. Carotenoid supplementation reduces erythema in human skin after stimulated solar radiation exposure. *Proceedings of Experimental Biology and Medicine* 223:170-174, 2000.
233. Yang B, Larson DF, Kelley R, **Watson** RR. Pressure-volume loop analysis in the mouse: Effects of intravenous volume administration. *Cardiovascular Engineering* 5:57-60, 2000.
232. Colombo LL, Lopez MC, Chen GJ, **Watson** RR. Effect of short-term cocaine administration on the immune system of young and old C57BL/6 female mice. *Immunopharmacology and Immunotoxicology* 21:755-769, 1999.
231. Smith MJ, Inserra PF, **Watson** RR, Wise JA, O'Neill KL. Supplementation with fruit and vegetable extracts may decrease DNA damage in the peripheral lymphocytes of an elderly population. *Nutrition Research* 19:1507-1518, 1999.
230. Yang B, Larson DF, **Watson** RR. Age-related left ventricular function in the mouse: analysis based on in vivo pressure-volume relationships. *American Journal of Physiology* 277:H1906-H1913, 1999.
229. Inserra PF, Jiang S, Solkoff D, Lee J, Zhang Z, Xu M, Hesslink R, Wise J, **Watson** RR. Immune function in elderly smokers and nonsmokers improves during supplementation with fruit and vegetable extracts. *Integrative Medicine* 2:3-10, 1999.
228. Zhang Z, Araghi-niknam M, Liang B, Inserra P, Ardestani SK, Jiang S, Chow S, **Watson** RR. Prevention of immune dysfunction and vitamin E loss by dehydroepiandrosterone and melatonin supplementation during murine retrovirus infection. *Immunology* 96:291-297, 1999.
227. Putter M, Grotemeyer KH, Wurthwein G, Araghi-Niknam M, **Watson** RR, Rohdewald P. Inhibition of smoking-induced platelet aggregation by aspirin and pycnogenol. *Thrombosis Research* 95:155-161, 1999.
226. Wood SM, Beckham C, Yosioka A, Darban H, **Watson** RR. Beta-carotene and selenium supplementation enhances immune response in aged humans. *Integrative Medicine* 2:85-92, 1999.

225. Araghi-Niknam M, Hosseini S, Larson D, Rohdewald P, **Watson RR**. Pine bark extract reduces platelet aggregation. *Integrative Medicine* 2:73-77, 1999.
224. Lee J, Sepulveda RT, Jiang S, Zhang Z, Inserra P, Zhang Y, Hosseini S, **Watson RR**. Immune dysfunction during alcohol consumption and murine AIDS: The protective role of dehydroepiandrosterone sulfate. *Alcoholism: Clinical Experimental Research* 23:856-862, 1999.
223. Araghi-Niknam M, Lane L, **Watson RR**. Modification of physical activity in old C57bl/6 mice by DHEA and melatonin supplementation. *Proceedings of Experimental Biology and Medicine* 219:193-197, 1999.
222. Zhang Z, Araghniknam M, Inserra P, Jiang S, Chow S, Breceda V, Balagtas M, Witten, M, and **Watson RR**. Vitamin E supplementation prevents lung dysfunction and lipid peroxidation in nude mice exposed to side-stream cigarette smoke. *Nutrition Research* 19:75-84, 1999.
221. Jiang S, Lee J, Zhang Z, Inserra P, Solkoff D, **Watson RR**. Dehydroepiandrosterone (DHEA) reduces immune dysfunction in very old mice as well as synergizing with antioxidant supplements for immune restoration in old retrovirus-infected mice. *Journal of Nutritional Biochemistry* 9:362-9, 1998.
220. Araghi-Niknam M, Ardestani SK, Molitor M, Inserra P, Eskelson CD, **Watson RR**. Dehydroepiandrosterone (DHEA) sulfate prevents reduction in tissue vitamin E and increased lipid peroxidation due to murine retrovirus infection of aged mice. *Proceedings of Experimental Biology and Medicine* 218:210-217, 1998.
219. **Watson RR**, Solkoff D, Wang JY, Seeto K. Detection of ethanol consumption by ELISA assay measurement of acetaldehyde adducts in murine hair. *Alcohol* 16:279-284, 1998.
218. Araghi-Niknam M, Lane L, **Watson RR**. Physical inactivity of murine retrovirus infected C57BL/6 mice is prevented by melatonin and dehydroepiandrosterone. *Proceedings of Experimental Biology and Medicine* 219:144-148, 1998.
217. Inserra P, Zhang Z, Ardestani SK, Araghi-Niknam M, Liang B, Jiang S, Shaw D, Molitor M, Elliot K, **Watson RR**. Modulation of cytokine production by dehydroepiandrosterone (DHEA) plus melatonin (MLT) supplementation of old mice. *Proceedings of Experimental Biology and Medicine* 218:76-82, 1998.
216. Liang B, Zhang Z, Inserra P, Jiang S, Lee J, Garza A., Marchalonis JJ, **Watson RR**. Injection of T-cell receptor peptide reduces immunosenescence in aged C57BL/6 mice. *Immunology* 93:462-468, 1998.
215. Lee J, Jiang S, Liang B, Inserra P, Zhang Z, Solkoff D, **Watson RR**. Antioxidant supplementation in prevention and treatment of immune dysfunction and oxidation induced by murine AIDS in old mice. *Nutrition Research* 18:327-40, 1998.
214. Chow HH, Tang Y, Li P, Brookshire G, Liang B, **Watson RR**. The effect of chronic retrovirus infection and immune dysfunction on the P-450-mediated activation of acetaminophen in mouse liver macrodomes. *Biopharmacology of Drug Disposition* 19:9-15, 1998.
213. Liang B, Zhang Z, Araghniknam M, Eskelson C, **Watson RR**. Prevention of retrovirus-induced aberrant cytokine secretion, excessive lipid peroxidation, and tissue vitamin E

- deficiency by T cell receptor peptide treatments in C57BL/6 mice. *Proceedings of Experimental Biology and Medicine* 214:87-94, 1997.
212. Araghi-Niknam M, Liang B, Zhang Z, Ardestani S, **Watson** RR. Modulation of immune dysfunction during murine leukemia retrovirus infection of old mice by dehydroepiandrosterone sulfate (DHEAS). *Immunology* 90:344-349, 1997.
211. Wang JY, Liang B, **Watson** RR. Alcohol consumption alters cytokine release during murine AIDS. *Alcohol* 14; 155-159, 1997.
210. Lopez MC, Watzl B, Colombo LL, **Watson** RR. Alterations in mouse Peyer's patch lymphocyte phenotype after ethanol consumption. *Alcohol* 14: 107-110, 1997.
209. Liang B, Marchalonis JJ, **Watson** RR. Prevention of immune dysfunction and loss of Cryptosporidium resistance during murine retrovirus infection by T cell receptor peptide immunization. *Nutrition Research* 17:677-692, 1997.
208. **Watson** RR. Cocaine and murine AIDS: accentuated immunosuppression and loss of disease resistance. *Journal of Neuroimmunology* 53:57-58, 1996.
207. Liang B, Marchalonis JJ, Zhang Z, **Watson** RR. Effects of vaccination against different T cell receptors on maintenance of immune function during murine retrovirus infection. *Cellular Immunology* 172:126 -134, 1996.
206. Stazzone A, Kleinosky M, Mourad A, **Watson** RR, Murphy JR. Frequency of *Giardia* and *Cryptosporidium* Infections in Egyptian children as detected by conventional and merifluor methods. *Pediatric Infection and Disease Journal* 15:1044-1046, 1996.
205. Chen G, Colombo, LL, Lopez MC, **Watson** RR. Effect of ethanol and cocaine treatment on the immune system of v-Ha-ras transgenic mice. *International Journal Immunopharmacology* 18:251-258, 1996.
204. Huang DS, Lopez MC, Wang JY, **Watson** RR. Alterations in the mucosal immune system due to *Cryptosporidium parvum* infection in immunocompetent mice. *Cellular Immunology* 173:176-182, 1996.
203. Araghi-Niknam M, Chung S, Nelson-White T, Eskelson C, **Watson** RR. Antioxidant activity of dioscorea and dehydroepiandrosterone (DHEA) in older humans. *Life Science* 59:PL147-157, 1996.
202. Liang B, Ardestani S, Chow HH, Eskelson C, **Watson** RR. Vitamin E deficiency and immune dysfunction are prevented in retrovirus-infected C57BL/6 mice by T cell receptor peptide treatment. *Journal of Nutrition* 126:1389-1397, 1996.
201. Liang B, Marchalonis JJ, **Watson** RR. T cell receptor dose and time of application during murine retrovirus infection for maintenance of immune function. *Immunology*. 87:198-204, 1996.
200. Wang JY, Liang B, **Watson** RR. Vitamin E supplementation with interferon-gamma administration retards immune dysfunction during murine retrovirus infection. *Journal Leukocyte Biology* 58:698-703, 1995.
199. Cheshier JE, Ardestani-Kaboudanian S, Liang B, Araghi-Niknam M, Chung S, Lane L, Castro A, **Watson** RR. Immunomodulation by pycnogenol in retrovirus-infected or ethanol-fed mice. *Life Science* 58:PL87-PL96, 1995.

198. Marchalonis JJ, Lake DF, Schluter SF, Dehghanpisheh K, **Watson** RR, Ampel NM, Galgiani JN. Autoantibodies against peptide-defined epitopes of T-cell receptors in retrovirally infected humans and mice. *Immunobiology of Proteins and Peptides VIII*, 211-222, 1995.
197. Wang, Y., **Watson** RR. Influence of vitamin E supplementation on nutritional status immune function and cytokine production in murine AIDS. *Proceedings of the 15th International Congress Nutrition*, IUNS Adelaide 573-580, 1995.
196. Lopez MC, Huang DS, Way DL, **Watson** RR. Functional and phenotypic lymphocyte population changes in the mesenteric lymph nodes (MLN) of murine-AIDS (MAIDS) infected mice. *Advances in Experimental Medicine and Biology* 1039-1042, 1995.
195. Wang Y, Huang DS, Wood S, Giger PT, **Watson** RR. Kinetics of cytokine production by thymocytes during murine AIDS caused by LP-BM5 retrovirus infection. *Immunology Letters* 47:187-192, 1995.
194. **Watson** RR, Wang JY, Dehghanpisheh K, Huang DS, Wood S, Ardestani SK, Liang B, Marchalonis JJ. T-cell receptor V-beta complementarily determining region 1 peptide administration moderates immune dysfunction and cytokine dysregulation induced by murine retrovirus infection. *Journal of Immunology* 155:2282-2291, 1995.
193. Wang Y, Huang DS, Wood S, **Watson** RR. Modulation of immune function and cytokine production by various levels of vitamin E supplementation during murine AIDS. *Immunopharmacology* 29:225-233, 1995.
192. Wang Y, Huang DS, Liang B, **Watson** RR. Nutritional status and immune responses in mice with murine AIDS are normalized by vitamin E supplementation. *Journal of Nutrition* 124:2024-2032, 1994.
191. Dehghanpisheh K, Huang DS, Schuter SF, **Watson** RR, Marchalonis JJ. Production of IgG autoantibodies to T-cell receptors in mice infected with the retrovirus LP-BM5. *International Immunology* 7:31-36, 1995.
190. Wang Y, Ardestani SK, Liang B, Beckham C, **Watson** RR. Anti-interleukin-4 monoclonal antibody and interferon-gamma administration retards development of immune dysfunction and cytokine dysregulation during murine AIDS. *Immunology* 83:384-389, 1994.
189. Wang Y, Liang B, **Watson** RR. The effect of alcohol consumption on nutritional status during murine AIDS. *Alcohol* 11:273-278, 1994.
188. Wang Y, **Watson** RR. Chronic ethanol consumption prior to retrovirus infection alters cytokine production by thymocytes during murine AIDS. *Alcohol* 11:361-365, 1994.
187. Wang Y, Huang, DS, **Watson** RR. Dietary vitamin E modulation of cytokine production by splenocytes and thymocytes from alcohol-fed mice. *Alcoholism: Clinical Experimental Research* 18:355-362, 1994.
186. Wang Y, Liang B, **Watson** RR. Normalization of nutritional status by various levels of vitamin E supplementation during murine AIDS. *Nutrition Research* 14:1375-1386, 1994.
185. Shahbazian LM, Wood S, **Watson** RR. Ethanol consumption and early murine retrovirus infection influence liver, heart, and muscle levels of iron, zinc, and copper in C57BL/6 mice. *Alcoholism: Clinical Experimental Research* 18:964-968, (1994).

184. Marchalonis JJ, Deghanpisheh K, Huang D, Schluter SF, **Watson** RR. Autoantibodies to T-cell receptors following infection by murine retrovirus. *Lymphology* 27S:853-856, 1994.
183. Wang Y, **Watson** RR. Vitamin E supplementation at various levels alters cytokine production by thymocytes during retrovirus infection causing murine AIDS. *Thymus* 22:153-165, 1994.
182. Wang Y, Liang B, **Watson** RR. Suppression of tissue levels of vitamin A, E, zinc and copper in murine AIDS. *Nutrition Research* 14:1031-1041, 1994.
181. Wang Y, Huang DS, Eskelson CD, **Watson** RR. Long-term dietary vitamin E retards development of retrovirus-induced dysregulation in cytokine production. *Clinical Immunology Immunopathology* 72:70-75, 1994.
180. Ansher S, Thompson W, **Watson** RR. Alteration of hepatic drug metabolism in mice following infection with murine retrovirus LP-BM5. *International Immunopharmacology* 27:215-223, 1994.
179. Wang Y, Huang DS, Giger PT, **Watson** RR. Modulation of cocaine in vivo and in vitro on production of cytokines in C57BL/6 mice. *Life Science* 54:401-411, 1994.
178. Lopez MC, Huang D, **Watson** RR. Effect of cocaine and murine AIDS on lamina propria T- and B- cells in normal mice. *Life Science* 54:PL147-151, 1994.
177. Wang Y, Huang DS, Giger PT, **Watson** RR. Influence of chronic dietary ethanol on cytokine production by murine splenocytes and thymocytes. *Alcoholism: Clinical Experimental Research* 18:64-70, 1994.
176. Lopez MC, Huang DS, Wang Y, **Watson** RR. Modification of lymphocyte subsets in the intestinal immune system and thymus by ethanol consumption. *Alcoholism: Clinical Experimental Research* 18:8-11, 1994.
175. Wang Y, **Watson** RR. Chronic ethanol consumption prior to retrovirus infection is a cofactor in the development of immune dysfunction during murine AIDS. *Alcoholism: Clinical Experimental Research* 18:76-981, 1994.
174. Huang DS, Wang Y, Marchalonis JJ, **Watson** RR. The kinetics of cytokine secretion and proliferation by mesenteric lymph node cells during the progression of LP-BM5 murine leukemia virus production. *Regional Immunology* 5:325-331, 1993.
173. Prabhala RH, Brauno LM, Garewal HS, **Watson** RR. Influence of beta-carotene on immune functions. *Annals of the New York Academy of Science* 31:262-263, 1993.
172. Chen GJ, Colombo LL, Lopez MC, **Watson** RR. Reduction of tumor necrosis factor production by splenocytes from v-Ha-ras on oncogene bearing mice. *Cancer Letters* 74:147-150, 1993.
171. Odeleye OE, Eskelson CD, Mufti SJ, **Watson** RR. Vitamin E attenuation of the effects of chronic ethanol and cod liver oil consumption on rat liver lipid composition. *Nutrition Research* 13:1253-1271, 1993.
170. Pirozhkov SV, **Watson** RR, Chen, GJ. Ethanol enhances immunosuppression induced by cocaine. *Alcohol Alcoholism Suppl* 2:75-82, 1993.
169. Wang Y, Huang DS, **Watson** RR. Vitamin E supplementation modulates cytokine production by thymocytes during murine AIDS. *Immunology Research* 12:358-366, 1993.

168. Martinez F, Darban H, Thomas NM, Cox TJ, Wood S, **Watson** RR. Interleukin-6 and Interleukin-8 production by mononuclear cells of chronic alcoholics during treatment. *Alcoholism: Clinical Experimental Research* 17:1193-7, 1993.
167. Lopez MC, Chen G, Huang D, Darban H, Watzl B, **Watson** RR. Spleen and thymus cell subsets modified by long-term morphine administration and murine AIDS. *International Journal Immunopharmacology* 15:909-918, 1993.
166. Lopez MC, Colombo LL, Chen G, Watzl B, Darban HR, Huang DS, **Watson** RR. Spleen and thymus cell subsets modified by long term morphine administration in protein-undernourished mice. *International Journal Immunopharmacology* 15:899-907, 1993.
165. Lopez MC, Watzl LB, Hebert AR, Murphy L, Huang DS, **Watson** RR. Ethanol-induced changes in the intestinal mucosa-associated immune system of young and old mice. *Alcohol* 10:555-557, 1993.
164. Wang Y, Huang DS, Giger PT, **Watson** RR. Ethanol-induced cytokine production by splenocytes during murine retrovirus-infection causing murine AIDS. *Alcoholism: Clinical Experimental Research*, 17:1035-1039, 1993.
163. Watzl B, Lopez M, Shahbazian M, Chen G, Colombo LL Huang D, Way D, **Watson** RR. Diet and ethanol modulate immune responses in young C57BL/6 mice. *Alcoholism: Clinical Experimental Research* 17:623-630, 1993.
162. Abdel-Fattah G, Watzl B, Huang D, **Watson** RR. Beta-carotene in vitro stimulates tumor necrosis factor alpha and interleukin 1 alpha secretions by human peripheral blood mononuclear cells. *Nutrition Research* 13:863-871, 1993.
161. Petro TM, Darban H, **Watson** RR. Suppression of resistance to *Giardia muris* and cytokine production in a murine model of acquired immune deficiency syndrome. *Regional Immunology* 4:409-414, 1993.
160. Alak JIB, Shahbazian M, Hebert AR, Huang DS, Wang Y, Darban H, Jenkins EM, **Watson** RR. Humoral immune responses and resistance to *Cryptosporidium parvum* in a murine model of AIDS after chronic ethanol consumption. *Advances in Biosciences* 86:331-334, 1993.
159. Huang DS, Wang Y, Lung CC, Giger PT, **Watson** RR. Proliferation of spleen and mesenteric lymph node (MLN) cells in retrovirus-induced immunodeficient mice. *Advances in Biosciences*. 86:325-330, 1993.
158. Ansher S, Thompson W, **Watson** RR. The effects of cytokines and murine AIDS on hepatic drug metabolism. *Advances in Biosciences* 86:305-313, 1993.
157. Lopez MC, Huang DS, Wang Y, King K, **Watson** RR. Modulation of the intestinal immune system by ethanol and murine AIDS. *Advances in Biosciences* 86:299-304, 1993.
156. Alak, JIB, Shahbazian M, Huang DS, Wang Y, Darban H, Jenkins, EM, **Watson** RR. Alcohol and murine acquired immunodeficiency syndrome suppression of resistance to *Cryptosporidium parvum* infection during modulation of cytokine production. *Alcohol: Clinical Experimental Research* 17:539-544, 1993.
155. Huang DS, Wang YJ, Lung CC, Giger PT, **Watson** RR. Proliferation of spleen and mesenteric lymph node (MLN) cells in retrovirus induced immunodeficient mice. *Advances in Biosciences* 86:325-330, 1993.

154. Pirozhkov SV, **Watson** RR, Eskelson CD. Ethanol enhances hepatotoxicity of cocaine and cocaethylene. *Advances in Biosciences* 86:609-618, 1993.
153. Petro, TM, **Watson** RR, Feely DE, Darban H. Alcohol, cocaine, murine AIDS and Resistance to Giardia. *Advances in Biosciences* 86:315-323, 1993.
152. McCuskey RS, Eguchi H, Nishida J, Krasovich MA, McDonnell D, Watzl B, Ekataksin W, Jolley CS, Abril ER, Earnest DL, **Watson** RR. Effects of ethanol alone or in combination with infection, toxins or drugs of abuse on hepatic microcirculation. *Advances in Biosciences* 86:227-234, 1993.
151. Odeleye OE, Eskelson CD, Mufti SI, **Watson** RR. Increased hepatic peroxides in experimental esophageal tumorigenesis: Evidence for association of lipid peroxidation with carcinogenesis. *Advances in Biosciences* 86:387-398, 1993.
150. Pillai RK, Erickson J, Poet T, Estrada A, **Watson** RR. Cocaine associated increase in natural killer cell function of Hispanic drug users. *Advances in Biosciences* 86:619-630, 1993.
149. Eskelson CD, Odeleye OE, **Watson** RR, Earnest DL, Mufti, SI. Modulation of cancer growth by vitamin E and alcohol. *Alcohol Alcoholism*, 28:117-125, 1993.
148. Martinez F, Poet T, Pillai RK, Estrada AL, Erickson J, and **Watson** RR. Cocaine metabolite (Benzoylcoagnine) and morphine in the hair and urine. *Journal Analytical Toxicology* 17:138-142, 1993.
147. Eskelson CD, Earnest DC, Odeleye OE, Fleming RR, and **Watson** RR. The in vivo effects of free radicals on retinoic acid metabolism. *Advances in Biosciences* 86:53-65, 1993.
146. Odeleye OE, **Watson** RR, Eskelson CD, Pirozhkov S, and Earnest, D. Enhancement of cocaine-induced hepatotoxicity by ethanol. *Drug Alcohol Dependence*. 31:253-263, 1993.
145. Alak JIB, Shahbazian M, Huang D, Wang Y, Darban H, and **Watson** RR and Jenkins, E.M. Suppression by dietary alcohol of resistance to Cryptosporidiosis during murine acquired immune deficiency syndrome. *Drugs of Abuse, Immunity and AIDS*. Plenum Press, New York 175-179, 1993.
144. Watzl B, Lopez M, Shahbazian M, and **Watson** RR. Splenocyte populations in alcoholic, mature C57BL/6 mice fed diets with different nutritional adequacy. *Advances in Biosciences* 86:13-18, 1993.
143. Chen GJ, Huang DS, Watzl B, and **Watson** RR. Ethanol modulation of tumor necrosis factor and gamma-interferon production by murine splenocytes and macrophages. *Life Science* 52:1319-1326, 1993.
142. Wang Y, Huang DS, Giger PT, and **Watson** RR. The kinetics of imbalanced cytokine production by T cells and macrophages during the murine AIDS. *Advances in Biosciences* 86:335-340, 1993.
141. Wang Y, Huang DS, Giger PT, **Watson** RR. The influence of cocaine in vivo and in vitro on production of cytokines by Th1 and Th2 cells. *Advances in Biosciences* 86:673-678, 1993.

140. **Watson** RR, Wood S, Wang Y, Huang DS, and Lopez MC. Ethanol and murine retrovirus modulation of cytokine production by thymocytes. *Advances in Biosciences* 86:153-161, 1993.
139. Shahbazian M, Stazzone A, Hebert A, and **Watson** RR. Effect of thymosin fraction 5 on immune response of C57BL/6 mice fed ethanol diet and challenged with *Streptococcus pneumoniae*. *Advances in Bioscience* 86:353-358, 1993.
138. Darban H, Alak J, Shahbazian M, Wang Y, Crawford G, and **Watson** RR. Thymosin modulation of the persistence of *Cryptosporidium* in mice with murine AIDS. *Advances Bioscience* 86:341-346, 1993.
137. Watz, B, Huang DS, Alak J, Darban H, **Watson** RR. Enhancement of resistance to *Cryptosporidium parvum* by bovine colostrum during murine retroviral infection. *American Journal Tropical Medicine Hygiene* 48:519-523, 1993.
136. **Watson** RR. Resistance to intestinal parasites during murine AIDS: role of alcohol and nutrition in immune dysfunction. *Parasitology* 107:S69-S74, 1993.
135. Watzl B and **Watson** RR. Role of nutrients in alcohol-induced immunomodulation. *Alcohol Alcoholism*. 28:89-95, 1993.
134. Chen GJ, Tachiabana K, Huang DS, **Watson** RR. Cocaine modulation in vitro of tumor necrosis factor production by macrophages from retrovirally infected mice. *Life Science* 52:1319-1326, 1993.
133. **Watson** RR. Alcohol-nutrient interactions: A critical component of physiological change. *Alcohol Alcoholism*. 28:57-58, 1993.
132. Darban H, **Watson** RR, Alak J, and Thomas N. Cocaine facilitation of cryptosporidiosis by murine AIDS in male and female C57/BL/6 mice. *Drugs of Abuse, Immunity and AIDS*. 143-151, 1993.
131. Pirozhkov SV, Eskelson CD, and **Watson** RR. Chronic ethanol and cocaine-induced hepatotoxicity: Effects of vitamin E supplementation. *Alcohol: Clinical Experimental Research* 16:904-909, 1992.
130. Martinez F, Abril ER, Earnest DL, and **Watson** RR. Ethanol and cytokine secretion. *Alcohol* 9:455-458, 1992.
129. Colombo LL, Chen GJ, Lopez MC, and **Watson** RR. Melatonin induced increase in gamma-interferon production by murine splenocytes. *Immunology Letters* 33:123-126, 1992.
128. **Watson** RR, Odeleye OE, Eskelson CD, and Mufti SI. Alcohol stimulation of lipid peroxidation and esophageal tumor growth in mice immunocompromised by retrovirus infection. *Alcohol* 9: 495-500, 1992.
127. Pirozhkov SV, **Watson** RR, and Chen GJ. Ethanol enhances immunosuppression induced by cocaine. *Alcohol* 9: 489-494, 1992.
126. Odeleye OE, Eskelson CD, Mufti, SI, and **Watson** RR Effect of supplemental vitamin E on cancer growth and promotion during murine AIDS. *New York Academy Science* 669:387-390, 1992.

125. Lopez MC, Chen GJ, Huang DS, and **Watson RR**. Modification of spleen cell subsets by chronic cocaine administration and murine retrovirus infection in normal and protein-malnourished mice. *International Journal Immunopharmacology* 14:1153-1163, 1992.
124. Odeleye OE, Eskelson CD, Mufti SI, and **Watson RR**. Vitamin E inhibits the carcinogenicity of N-nitrosomethylbenzylamine (NMBZA). *New York Academy Science* 669:368-371, 1992.
123. Poet T, Martinez F, and **Watson RR**. Effects of murine retroviral infection on hair and serum levels of cocaine and morphine. *Forensic Science International* 54:29-38, 1992.
122. Odeleye OE, Eskelson CD, Mufti SI, and **Watson RR**. Vitamin E protection against chemically-induced esophageal tumor growth in mice immunocompromised by retroviral infection. *Carcinogenesis*. 13:1811-1816, 1992.
121. Pirozhkov SV, **Watson RR**, and Eskelson CE. Gas chromatographic detection of cocaine and cocaethylene in hair of mice chronically injected with cocaine or cocaethylene and fed ethanol. *Forensic Science International* 57:99-107, 1992.
120. Pirozhkov SV, **Watson RR**. Immunomodulating and hepatotoxic effects of cocaine and cocaethylene: *Enhancement* by simultaneous ethanol administration. *Alcologia*. 5:113-116, 1992.
119. Lopez MC, Colombo, LL, and **Watson RR**. Modification of thymic cell subsets induced by long-term cocaine administration during murine retroviral infection producing AIDS. *Clinical Immunology Immunopathology* 65:45-52, 1992.
118. Huang DS, Odeleye OE, and **Watson RR**. Inhibitory effects of canthaxanthin on in vitro growth of murine tumor cells. *Cancer Letters* 65:209-213, 1992.
117. **Watson RR**, Chen G, and Lopez MC. Effects of protein undernutrition and cocaine injection on T-lymphocyte numbers in retrovirally infected mice. *Nutritional and Immunology* 269-282, 1992.
116. Lopez MC, Colombo LL, Huang DS and **Watson RR**. Suppressed mucosal lymphocyte populations by LP-BM5 murine leukemia virus infection producing murine AIDS. *Regional Immunology* 4:162-167, 1992.
115. Darban H, **Watson RR**, Darban J, and Shahbaian LM. Modification of resistance to *Streptococcus pneumoniae* by dietary ethanol, immunization and murine retroviral infection. *Alcohol: Clinical Experimental Research* 16:846-851, 1992.
114. Lopez MC, Colombo LL, Huang DS, and **Watson RR**. Alteration of thymic cell subsets by cocaine administration and murine retrovirus infection in protein undernourished mice. *Thymus*. 20:171-181, 1992.
113. Chen C, Darban H, Colombo, LL, Tachibana K, and **Watson RR**. Effects of age, alcohol, and murine retrovirus infection on resistance to *Streptococcus pneumoniae*. *Immunology Infectious Diseases* 2:257-262, 1992.
112. **Watson RR**, Prabhala RH, and Earnest DL. Retinoids, carotenoids, and macrophage activation. *Nutrient Modulation of the Immune Response*. 63-74, 1992.
111. **Watson RR**, Lopez MC, Odeleye O, and Darban, H. Modulation of differentiation antigen expression and function of immune cells following short and prolonged alcohol intake

- during murine retrovirus infection. *Nutrient Modulation of the Immune Response*. 255-262, 1992.
110. Shahbazian, LM, Darban HR, Darban, JR, Stazzone AM, **Watson** RR. Influence of the level of dietary ethanol on resistance to *Streptococcus pneumonia* in mice with murine AIDS. *Alcohol Alcoholism*. 27:345-352, 1992.
 109. **Watson** RR, Odeleye OE, Darban HR, and Lopez MC. Modification of lymphoid subsets by chronic consumption of alcohol in C57BL/6 mice infected with LP-BM5 murine leukemia virus. *Alcohol Alcoholism*. 27:417-424, 1992.
 108. Watzl B, Chen GJ, Scuderi P, Pirozhkov S, and **Watson** RR. Cocaine-induced suppression of interferon-gamma secretion in leukocytes from young and old C57/BL-6 mice. *International Journal Immunopharmacology* 14:1125-1131, 1992.
 107. Pirozhkov SV, Eskelson CD, **Watson** RR, Hunter, GC, Piotrowski JJ, Bernhard V. Effect of chronic consumption of ethanol and vitamin E on fatty acid composition and lipid peroxidation in rat heart tissue. *Alcohol* 9:329-334, 1992.
 106. Odeleye OE, Eskelson CD, and **Watson** RR. Changes in hepatic lipid composition after infection by LP-BM5 murine leukemia virus causing murine AIDS. *Life Science* 51:129-134, 1992.
 105. Odeleye OE, Lopez MC, Smith BT, **Watson** RR. Cocaine hepatotoxicity during protein malnutrition of retrovirally infected mice. *Canadian Journal Physiology Pharmacology* 70:338-343, 1992.
 104. **Watson** RR. LP-BM5, a murine model of AIDS: Role of cocaine, morphine, alcohol and carotenoids in nutritional immunomodulation. *Journal Nutrition* 122:744-748 1992.
 103. Ampel NM, Garewal HS, **Watson** RR, Prabhala RH, Dols CL. A preliminary trial of beta-carotene in subjects infected with the Human Immunodeficiency Virus. *Journal Nutrition* 122:728-732, 1992.
 102. Poet TS, Pillai RK, Wood S, and **Watson** RR. Stimulation of natural killer cell activity by murine retroviral infection. *Toxicology Letters* 59:147-152, 1992.
 101. Tachibana K, Chen GI, Huang D, Scuderi P, and **Watson** RR. Production of tumor necrosis factor alpha by resident and activated murine macrophages. *Journal Leukocyte Biology* 51:251-255, 1992.
 100. Odeleye OE, Eskelson CD, Mufti SI, and **Watson** RR. Vitamin E inhibition of lipid peroxidation and ethanol-mediated promotion of esophageal tumorigenesis. *Nutrition Cancer* 17: 223-234, 1992.
 99. Chen GJ, Pillai RK, Erickson J, Martinez F, Estrada AL, and **Watson** RR. Cocaine associated abnormalities in cytokine profiles of Hispanic drug users. *Toxicology Letters* 59:81-88, 1991.
 98. Odeleye OE, Eskelson C, and **Watson** RR. Effects of prolonged ethanol consumption on hepatic lipids and hepatotoxicity in C57BL/6 female mice. *Alcohol Alcoholism*. 26:585-595, 1991.
 97. **Watson** RR. Effect of beta-carotene on lymphocyte subpopulations in elderly humans. Reply to D.G. Bryant and C. Prasad. *American Journal Clinical Nutrition* 54:433, 1991.

96. **Watson RR.** Beta-carotene's effect on serum lipoproteins and immunologic indices in humans. *American Journal Clinical Nutrition* 54:609-610, 1991.
95. Watzl B, Scuderi P, **Watson RR.** Marijuana components stimulate human peripheral blood mononuclear cell secretion of interferon-gamma and suppress interleukin-1 alpha in vitro. *International Journal Immunopharmacology* 13:1091-1097, 1991.
94. Odeleye OE, Eskelson CD, **Watson RR,** Mufti SI, Earnest D, and Chvapil, M. Effect of ethanol consumption and vitamin E supplementation on lipid peroxidation in vivo. *Nutrition Research* 11:1177-1188, 1991.
93. Watzl B, Abril E, Abbaszadegan MR, Scuderi P, **Watson RR.** Effect of alcohol in vivo on tumor necrosis factor secretion by cultured rat Kupffer cells. Kupffer Cell Foundation, Rijswijk, Netherlands. *Cells of the Hepatic Sinusoid* 3:480-482, 1991.
92. Odeleye O and **Watson RR.** Reply to H.H. Draper. *American Journal Clinical Nutrition* 54:430, 1991.
91. Nair B, Erickson JR, Pillai RK, Estrada A, **Watson RR.** Immunotoxicity of polydrug use: Abnormalities in the active and high affinity CD2 antigen E-rosette receptor lymphocytes. *Toxicology Letters* 57:339-345, 1991.
90. Lopez MC, Huang DC, Watzl B, Chen, GJ and **Watson RR.** Splenic subsets in normal and protein malnourished mice after long-term exposure to cocaine or morphine. *Life Science* 47:1253-1262, 1991.
89. Chen GJ and **Watson RR.** Modulation of tumor necrosis factor and gamma interferon production by cocaine and morphine in aging mice infected with LP-BM5, a murine retrovirus. *Journal Leukocyte Biology* 50:349-355, 1991.
88. Darban H, Enriquez J, Sterling CR, Lopez MC, Chen G, and **Watson RR.** Tumor growth enhanced by retrovirally-induced immunosuppression in mice infected with LP-BM5 murine leukemia virus. *Journal Infectious Disease* 164:741-745, 1991.
87. Odeleye OE, Eskelson CD, Alak JI, **Watson RR,** Chvapil M, Mufti SI, Earnest D. The effect of vitamin E (alpha-tocopherol) supplementation on hepatic levels of vitamin A and E in ethanol and cod liver oil fed rats. *International Journal Vitamin Nutrition Research* 61:143-148, 1991.
86. Huang D and **Watson RR.** The effects of canthaxanthin on JB/MS melanoma growth during retroviral pathogenesis induced by LP-BM5 murine leukemia virus. *Drugs of Abuse, Immunity and Immunodeficiency.* Plenum Press, New York, 279-286, 1991.
85. Odeleye OE, Eskelson CD, **Watson RR,** Mufti SI, Chvapil M. Vitamin E reduction of lipid peroxidation products in rats fed cod liver oil and ethanol. *Alcohol* 8:273-277, 1991.
84. Watzl B, Scuderi P, and **Watson RR.** Influence of marijuana compounds (THC and CBD) on human mononuclear cells cytokine secretion in vitro. *Drugs of Abuse, Immunity and Immunodeficiency.* Plenum Press, New York, 63-70, 1991.
83. Prabhala RH, Garewal HS, Hicks MJ, Sampliner RE, **Watson RR.** The effects of 13-cis retinoic acid and beta-carotene on cellular immunity in humans. *Cancer* 67:1556-1560, 1991.
82. Odeleye, OE, and **Watson RR.** Health implications of the N-3 fatty acids. *American Journal Clinical Nutrition* 53:177-178, 1991.

81. **Watson** RR, Prabhala RH, Alberts D Plezia, PM. Effect of beta-carotene on lymphocyte subpopulations in elderly humans: Evidence for a dose-response relationship. *American Journal Clinical Nutrition* 53:90-94, 1991.
80. Odeleye, OE, **Watson** RR, Eskelson, CD, and Mufti, SI. Dietary polyunsaturated fatty acid promotes peroxidation and its possible role in the promotion of cancer. *Advances Experimental Medicine and Biology* 283:789-791, 1990.
79. Odeleye, OE, **Watson** RR, Eskelson, C.D. and Mufti, SI. Composition of hepatic lipids after ethanol, cod liver oil and vitamin E feeding in rats. *Advances Experimental Medicine and Biology* 283:785-788, 1990.
78. **Watson** RR. A murine retrovirus model for studies of the role of cofactors in AIDS development. *NIDA Research Monograph*. 96:166-180, 1990.
77. Martinez, F, Poet, T.S. and **Watson** RR. Hair analysis. *Science* 250:1070, 1990
76. Martinez, F. and **Watson** RR. Effects of cocaine and morphine on IgG production by human peripheral blood lymphocytes in vitro. *Life Science* 47:PL59-PL64, 1990.
75. Eskelson, CD, Odeleye, OE, **Watson** RR and Earnest, D. Is the Lieber-DeCarli liquid ethanol diet adequate in vitamin E? *Alcohol Alcoholism* 25:568-569, 1990.
74. Mufti, SI and **Watson** RR. Effect of chronic ethanol consumption and retroviral infection on carcinogenesis and its possible inhibition by an immunostimulant, canthaxanthin: Definition of a murine model. *Progress Clinical Biology Research* 325:283-304, 1990.
73. Prabhala, RH and **Watson** RR. Effects of various alcohols applied in vitro on human subtypes and mitogenesis. *Progress Clinical Biology Research* 325:155-164, 1990.
72. **Watson** RR and Nguyen, TH. Suppression by morphine and ethanol of tumor cell cytotoxic activity by macrophages from retrovirally infected mice upon in vitro stimulation by beta-carotene. *Progress Clinical Biology Research* 325:79-92, 1990.
71. Messiha, N. and **Watson** RR. The long-term effects of varying dietary protein, lipid and vitamin E on intestinal and serum amylase. *Nutrition Research* 9:1237-1247, 1989.
70. Forsyth, KS, **Watson** RR, and Gensler, HL. Osteotoxicity after chronic dietary administration of 13-cis-retinoic acid, retinyl palmitate or selenium in mice exposed to tumor initiation and promotion. *Life Science* 45:2149-2156, 1989.
69. Blanchard, J, Conrad, KA, **Watson** RR, Garry, PJ and Crawley, JD. Comparison of plasma mononuclear and polymorphonuclear leukocyte vitamin C levels in young and elderly women during depletion and supplementation. *European Journal Clinical Nutrition* 43:97-106, 1989.
68. Abril ER, Rybski JA, Scuderi P, **Watson** RR. Beta-carotene stimulates human monocyte secretion of a novel tumoricidal cytokine. *Journal Leukocyte Biology* 45:255-261, 1989.
67. Prabhala, RH, Maxey V, Hicks MJ, and **Watson** RR. Enhancement of the expression of activation markers on human peripheral blood mononuclear cells by in vitro culture with retinoids and carotenoids. *Journal Leukocyte Biology* 45:249-254, 1989.
66. **Watson** RR and Moriguchi S. Effect of retinal palmitate and 13-cis-retinoic acid on immune functions of immunodeficient, nude mice. *Life Science* 44:387-395, 1989.
65. Messiha N and **Watson** RR. The effects on complement component 3 of dietary variation of protein, fat and vitamin E during growth of young mice. *Life Science* 44:49-55, 1989.

64. Szebeni J, Hauser H, Eskelson CD, **Watson** RR, Winterhatter KH. Interaction of hemoglobin derivatives with liposomes. Membrane cholesterol protects against the changes of hemoglobin. *Biochemistry* 27:6425-6434, 1988.
63. Schoen, DJ and **Watson** RR. Prevention of UV irradiation induced suppression of monocyte functions by retinoids and carotenoids in vitro. *Photochemistry Photobiology* 48:659-664, 1988.
62. **Watson** RR, Prabhala RH, Abril E, Smith TL. Changes in lymphocyte subsets and macrophage functions from high, short-term dietary ethanol in C57/BL6 mice. *Life Science* 43:865-870, 1988.
61. **Watson** RR, Yahy M, Darban MR, and Prabhala RH. Enhanced survival by vitamin A supplementation during a retrovirus infection causing murine AIDS. *Life Science* 43:xii-xvii, 1988.
60. **Watson** RR, Prabhala RH, Darban HR, Yahya M, and Smith TL. Changes in lymphocyte and macrophage subsets due to morphine and ethanol treatment during a retrovirus infection causing murine AIDS. *Life Science* 43: v-xi 1988.
59. Mufti SI, Prabhala R, Moriguchi S, Sipes IG, **Watson** RR. Functional and numerical alterations induced by ethanol in the cellular immune system. *Immunopharmacology* 15:85-94, 1988.
58. Moriguchi S, Kohge M, Kishino Y, **Watson** RR. In vitro effect of retinol and 13-cis retinoic acid on cytotoxicity of human monocytes. *Nutrition Research* 8:255-264, 1988.
57. **Watson** RR, Moriguchi S, and Gensler HL. Effects of dietary retinal palmitate and selenium on tumoricidal capacity of macrophages in mice undergoing tumor promotion. *Cancer Letters* 36:181-187, 1987.
56. **Watson** RR and Messiha, N. The effects of moderate protein deficiency or high vitamin E on intestinal secretory or serum IgA levels in mice. *Recent Developments in Mucosal Immunology*. Plenum Publ. Corp. 775-782, 1987.
55. **Watson** RR, Benedict J, Mayberry JC, Moriguchi S. Vitamin C and E supplementation and cellular immune functions in men. *New York Academy Science* 498:530-533, 1987.
54. Gensler HL, **Watson** RR, Moriguchi S, and Bowden, GT. Effect of dietary retinal palmitate and 13-cis-retinoic acid on the promotion of tumors in mouse skin. *Cancer Research* 47:967-970, 1987.
53. Szebeni J, Eskelson CD, Mufti SI, **Watson** RR, Sipes, IG. Inhibition of ethanol induced ethane exhalation by carcinogenic pretreatment of rats 12 months earlier. *Life Science* 39:2587-2591, 1986.
52. Szebeni J, Eskelson C, Sampliner R, Hartmann B, Dormandy T, **Watson** RR. Serum fatty acid pattern of alcohol abusers and patients with alcohol-related liver disease including diene-conjugated linoleic acid 18:2 (9,11). *Alcoholism: Clinical Experimental Research* 10:547-550, 1986.
51. **Watson** RR, Thompson, S.E. and McDonald, A.B. Transfer in utero of maternal serum antibodies to serum and tears: Effects on protecting newborn young against ocular infection with guinea pig inclusion conjunctivitis agent. *The Preocular Tear Film in Health, Disease and Contact Lens Wear*. 894-905, 1986.

50. **Watson RR**, Horton, GR, Clinton J. Secretory IgA and IgG in tears and vaginal secretions of marginally protein malnourished in guinea pigs infected with Guinea Pig Inclusion Conjunctivitis. *The Tear Preocular Film in Health, Disease and Contact Lens Wear*. 826-838, 1986.
49. **Watson RR**. Age and malnutrition: Modifiers of lachrymal host defenses. *The Preocular Tear Film in Health, Disease, and Contact Lens Wear*. 817-825, 1986.
48. **Watson RR**. Letter. *Medicine Science Sports Exercise* 18:597, 1986.
47. **Watson RR**, Jackson JC, Leigh S, Hicks MJ. and Alberts, D.S. Cellular immune functions of adults treated with a long-term, low dose of 13-cis retinoic acid. *Journal Leukocyte Biology* 39:567-577, 1986.
46. **Watson RR**, Mayberry JC, Lucas D, Tobin L, McRae B, and Moriguchi, S. Effects of selenium in vitro on human T-lymphocytes functions and K-562 tumor cell growth. *Journal Leukocyte Biology* 39:447-456, 1986.
45. **Watson RR** and Leonard TK. Selenium and vitamin A, E, and C: Nutrients with cancer prevention properties. *Journal American Dietetic Association* 86:505-510, 1986.
44. **Watson RR** and Lim TS. Thymosin fraction V: Effects on T cell functions in mice immunosuppressed by severe dietary protein deficiency. *International Journal Immunopharmacology* 8:545-552, 1986.
43. **Watson RR**, Moriguchi S, Jackson, JC, Werner, L, Wilmore J, and Freund, BJ. Modifications of cellular immune functions in humans by endurance exercise training during beta-adrenergic blockade with atenolol or propranolol. *Medical Science Sports Exercise* 18:95-100, 1986.
42. Peng YM, Alberts DS, Xu M-J, **Watson RR**, Gensler HL, Bowden GT. Effects of high dietary retinal palmitate and selenium on tissue distribution of retinoids in mice exposed to tumor initiation and promotion. *Journal Nutrition Growth Cancer* 3:38-45, 1986.
41. **Watson RR** and Moriguchi S. Cancer prevention by retinoids: Role of immunological modification. *Nutrition Research* 5:663-675, 1985.
40. Moriguchi S, Werner L, and **Watson RR**. High dietary vitamin A and cellular immune functions in mice. *Immunology* 56:169-177, 1985.
39. **Watson RR**, McMurray DN, Martin P, and Reyes, MA. Effect of age, malnutrition and re-nutrition on free secretory component and IgA in secretions. *American Journal of Clinical Nutrition*. 42:281-288, 1985.
38. Moriguchi S, Jackson JC, **Watson RR**. In vitro effects of retinoids and carotenes on human lymphocyte functions. *Human Toxicol.* 4:365-378, 1985
37. **Watson RR**, Jackson JC, Hartmann B, Sampliner R, Mobley D, Eskelson C. Effects of prolonged mild and severe alcohol intakes on cellular immune functions in adult men. *Alcohol: Clinical Experimental Research*. 9:248-254, 1985.
36. **Watson RR**, Chien G, and Chung C. Thymosin treatment - serum corticosterone and lymphocyte mitogenesis in moderately and severely protein-malnourished mice. *Journal of Nutrition*. 113:483-493, 1983.

35. Petro TM, Chien G, **Watson RR**. Cell-mediated immune system of moderately protein malnourished young and aged mice treated in vivo with thymosin fraction V. *Infection and Immunity*. 37:601-608,1982.
34. Reyes MA, Saravia NG, McMurray DN, **Watson RR**. Effect of moderate malnutrition on immediate hypersensitivity and IgE levels in asthmatic children. *Journal of Allergy Clinical Immunology*. 70:94-100, 1982.
33. **Watson RR**, Chung C, and Petro TM. Resistance to leukemia L-1210 and *Listeria monocytogenes* growth in mice fed a high vitamin E diet. In: Vitamin E: Biochemical, Hematological and Clinical Aspects. *New York Academy of Sciences*. 393:205-209, 1982.
32. Petro TM, **Watson RR**. Dietary stress and development of resistance to *Listeria monocytogenes* in mice. *Journal of Nutrition*. 112:1498-1505, 1982.
31. Petro TM, **Watson RR**. Resistance to L1210 mouse leukemia cells in moderately protein-malnourished BALB/c mice treated in vivo with thymosin fraction V. *Cancer Research*. 42:2139-2145,1982.
30. Lim TS, Putt N, Safranski D, Chung C and **Watson RR**. Effect of vitamin E on cell-mediated immune responses and serum corticosterone in young and maturing mice. *Immunology* 44:289-295, 1981.
29. Lim TS, Messiha N, **Watson RR**. Immune components of the intestinal mucosal of aging and protein deficient mice. *Immunology* 43:401-407, 1981.
28. McMurray DN, **Watson RR** and Reyes, MA. Effect of re-nutrition on humoral and cell-mediated immunity in severely malnourished children. *American Journal Clinical Nutrition*. 34:2117-2126, 1981.
27. **Watson RR**. Changes in antibodies and disease resistance in malnourished children. *Program Clinical Biology Research*: 67:295-304, 1981.
26. Peterson BH, **Watson RR**, and Holmes DK. Protein malnutrition and complement activity in guinea pigs and rat. *Journal Nutrition* 110:2159-2165 (1980).
25. Reyes MA, McMurray DN, and **Watson RR**. The influence of re-nutrition of biochemical and hematological parameters and morbidity in severely malnourished children. *Nutritional Reports International*. 21:63-76, 1980.
24. Deitchman GC, Antal M, **Watson RR**. Concentrations of immunoglobulin G and amylase in saliva of moderately protein undernourished rats. *Journal of Food Sciences*. 45:1092-1093, 1980.
23. Antal M, **Watson RR**. Effect of moderate chronic protein deficiency on rat salivary components. *J. Nutr.* 119:771-777, 1980.
22. **Watson RR** and Haffer K. Modifications of cell-mediated immune responses by moderate dietary protein stress in immunologically immature and mature BALB/c mice. *Mech. Aging Develop.* 12:269-278, 1980.
21. Haffer K, Freeman MJ, **Watson RR**. Effects of age on cellular immune responses in BALB/c mice: Increase in antibody-dependent T lymphocyte mediated cytotoxicity. *Mech. Aging Develop.* 11:279-285, 1979.
20. **Watson RR**. Presence and development with age of aminopeptidase(s) in tears of children and other mammals. *Ophthalmology Digest* 12-13, 1979.

19. Rabideau P, Parikh DK, **Watson RR**. Carbon-13 nuclear magnetic resonance of pyrimidine nucleosides containing the branched-chain sugar, apiose. *Journal of Carbo Nuclear*. 5:537-544, 1979.
18. **Watson RR**, and Perrine S. Aminopeptidase profiles from cells of *Neisseria gonorrhoeae*, *N. sicca*, *N. meningitidis*, *N. falva*, and *Branhamella catarrhalis*. *Immunobiology of Neisseria gonorrhoeae*, 34-37, 1978.
17. **Watson RR**. Cell-mediated immune responses to *Neisseria gonorrhoeae*. *Immunobiology of Neisseria gonorrhoeae*, 290-292, 1978.
16. Thompson RM, Parikh DK, and **Watson RR**. Mass spectrometry of some permethylated apiosyl nucleosides. *Biomedical Mass Spectrometry*. 5:367-370, 1978.
15. **Watson RR**. Presence and development with age of aminopeptidase in tears of children and other mammals. *Ophthalmic Research*. 9:397-403, 1978.
14. **Watson RR**, Reyes MA, and McMurray DN. Influence of malnutrition on the concentration of IgA, lysozyme, amylase, and aminopeptidase in children's tears. *Proceedings of Societal Exp. Medical Biology*. 157:215-219, 1978.
13. **Watson RR** and Lee KL. Purification and properties of aminopeptidase(s) from *histoplasma capsulatum*. *Sabouraudia* 16:69-78, 1978.
12. **Watson RR**, Parikh DK. Synthesis of branched-chain apiosyl pyrimidines and their inhibition of lymphocyte proliferation. *Journal of Medicinal Chemistry*. 21:706-709, 1978.
11. McMurray DN, Rey V, Cassazza, LJ, and **Watson RR**. Effect of moderate malnutrition of concentrations of immunoglobulins and enzymes in tears of young Colombian children. *American Journal of Clinical Nutrition*. 30:194-194, 1977.
10. Reyes MA, McMurray DN, and **Watson RR**. Amilisa de pancreas y saliva en ninos denutridos. [Pancreatic and salivary amylase in malnourished children]. *Acta Medica del Valle* 9:77-81, 1977.
9. **Watson RR**. The effects of in utero-protein malnutrition and subsequent re-nutrition on rat saliva and salivary amylase. *British Journal of Nutrition*. 38:232-238, 1977.
8. **Watson RR**, Tye J.G, McMurray DN, Reyes MA. The effect of protein malnutrition in Colombian children on pancreatic amylase and salivary amylase. *American Journal of Clinical Nutrition*. 30:599-604, 1977.
7. Reyes MS, Rey H, **Watson RR**, Cassazza BH, McMurray, DN. Inmunidad secretora e inmunoglobulinas en ninos desnutridos. [Secretory and immunoglobulins in malnourished children]. *Acta Medica del Valle* 8:14-19, 1977.
6. **Watson RR**, Rister M, Baehner, RL. Superoxide dismutase activity in polymorphonuclear leukocytes and alveolar macrophages of protein malnourished rats and guinea pigs. *Journal of Nutrition*. 106:1801-1808, 1976.
5. Ourth DD, Lunde MN, and **Watson RR**, Cell mediated hypersensitivity in guinea pigs infected with *Toxoplasma gondii*. *Z. Immun.-Forsch* 151:254-262, 1976.
4. Lee KL, Reza MS, **Watson RR**, and Campbell CC. Identification of yeast phase of pathogenic fungi by the specificities of their aminopeptidase(s). *Sabouraudia* 13:132-141, 1975.

3. Kindel PK and **Watson RR**, Synthesis, characterization, and properties of uridine 5' (alpha-D-Apio-D-Furanosyl Pyrophosphate). *Biochemistry Journal*, 133:227-241,1973.
2. **Watson RR**, Thompson SE, Murray ES, and Mull JD. Serum antibody in resistance to infection with guinea pig inclusion conjunctivitis. *Infection and Immunology*. 7:597-599, 1973.
1. **Watson RR**, MacDonald AB, Murray ES, and Modabber FZ. Immunity to chlamydial infections of the eye. IV. Presence and duration of delayed hypersensitivity to guinea pig inclusion conjunctivitis. *Journal of Immunology*. 111:618-623, 1973.

Book Chapters and Reviews

311. Elembaby A, **Watson RR**, Diet and nutrition role in prostate health, *Fruits, Vegetables, and Herbs: Bioactive Foods in Health Promotion*, Academic Press pages 165-178, 2016
310. Sanchez LW, **Watson RR**, Fruit, Vegetables, and Herbs: Bioactive foods promoting wound healing, *Fruits, Vegetables, and Herbs: Bioactive Foods in Health Promotion*, Academic Press pages 451-464, 2016
309. **Watson RR**, *Handbook of Nutrition and Diet in Therapy of Bone Diseases*, Wageningen Academic Publishers in press, pages 1-503, 2016
308. **Watson RR**, Schonlau F. Nutraceutical and antioxidant effects of a delphinidin-rich maqui berry extract Delphinol: a review *Minerva Cardioangiologica* 62: 1-12, 2015
307. McGuckin ME, **Watson RR**. Specialty foods for children with cystic fibrosis. *Diet and Exercise in Cystic Fibrosis* Elsevier pp101-108 2014
306. **Watson RR** Do omega-3 fatty acids, vital for health and therapy of many neurological diseases, modulate multiple sclerosis? *SciTech Connect* Mar 2014
305. Singh, VK, **Watson RR**. Fat-soluble vitamin deficiency in cystic fibrosis. *Diet and Exercise in Cystic Fibrosis* Elsevier pp 109-116, 2014
304. Rivera jr. GL, **Watson RR**. The effects of caffeine, alcohol and tobacco in cystic fibrosis. *Diet and Exercise in Cystic Fibrosis* Elsevier pp 63-68, 2014
303. Paul, G, **Watson RR**. Omega-3 fatty acids and cystic fibrosis. *Diet and Exercise in Cystic Fibrosis* Elsevier pp 383-386, 2014
302. Brussels AR, **Watson RR**. Disturbed sleep behaviors and melatonin in sleep dysfunction and treatment of cystic fibrosis. *Diet and Exercise in Cystic Fibrosis* Elsevier pp 49-54, 2014
301. Offenberger, HM, **Watson RR**. Vitamin A Supplementation Therapy for Patients with Cystic Fibrosis. *Diet and Exercise in Cystic Fibrosis* Elsevier pp 155-158, 2014

300. Ameer, A, Watson RR, Psychological Synergistic Effects of Alcohol and Caffeine. *Alcohol, Nutrition, and Health Consequences*, Humana Press, pages , 2014
299. Singh RB, De Meester F, Wilczynska A, Takahashi T, Wilson, DW, **Watson RR**. *Can a Changed Food Industry Prevent Cardiovascular and Other Chronic Diseases?*
298. Burca N, **Watson RR**, Fish Oil Supplements, Contaminants, Excessive Doses, *Bioactive Foods in Brain and Neurological Function*. In press Elsevier, 2014
297. Burca N, **Watson RR**, Fish oil supplements, contaminants, and excessive doses, *Omega-3 Fatty Acids in Brain and Neurological Health*. Pages 181-186, Elsevier, 2014
296. Rivera Jr. GL **Watson RR**, Multiple sclerosis: Modification by fish oil, *Omega-3 Fatty Acids in Brain and Neurological Health*. Pages 367-372, Elsevier, 2014
295. Paul G, **Watson RR**, Effects of omega-3 fatty acids on Alzheimer's disease, *Omega-3 Fatty Acids in Brain and Neurological Health*. Pages 231-236, Elsevier, 2014
294. Lawson, LE, **Watson RR**, Omega-3 fatty acid supplementation for major depression with chronic disease, *Omega-3 Fatty Acids in Brain and Neurological Health*. Pages 181-186, Elsevier, 2014
293. Singh, VK, **Watson RR**, Enhanced longevity and role of omega-3 fatty acids, *Omega-3 Fatty Acids in Brain and Neurological Health*. Pages 1-8, Elsevier, 2014
292. Cordova FM, **Watson RR**, Food and supplement polyphenol action in cancer recurrence, *Polyphenols in Health and Diseases Volume 1* pages 191-195, Elsevier, 2013
291. Rouhani MN, **Watson RR**, Polyphenols in Ayurvedic medicine and type 2 diabetes, *Polyphenols in Health and Diseases Volume 1* pages 113-117, Elsevier, 2013
290. Marquardt KC, **Watson RR**, Polyphenols and public health, *Polyphenols in Health and Diseases Volume 1* pages 9-15, Elsevier, 2013
289. Stover, MG, **Watson RR**, Polyphenols in foods and dietary supplements: Role in veterinary medicine and animal health, *Polyphenols in Health and Diseases Volume 1* pages 1-7, Elsevier, 2013
288. Kee W, **Watson RR**. Tofu in menopause prevention and therapy. *Nutrition and Diet in Menopause*, Humana Press, pages 141-150, 2013
287. Babaria, R, **Watson RR** Vitamin D supplementation and public health policy. *Vitamin D in Human Health: Prevention, Treatment, and Toxicity*, Wageningen Academic Publishers, pages 53-64, 2013
286. Ho J-N, **Watson RR**, Lee J-M. Dietary Supplements, Immune Modulation, and Diabetes Control, *Bioactive Food as Dietary Interventions for Diabetes*. Elsevier pages 111-120, 2012
285. Cordova FM, Zibadi S, **Watson RR**, Anti-Inflammatory Actions of Pycnogenol: Diabetes and Arthritis, *Bioactive Food as Dietary Interventions for Diabetes*. Elsevier pages 495-501, 2012

284. Cordova FM, Zibadi S, **Watson RR**, Antioxidant and Anti-inflammatory Actions of Passion Fruit Peel Extract in Modifying Osteoarthritis, Hypertension and Asthma. *Bioactive Food as Dietary Interventions for Arthritis and Related Inflammatory Diseases*. Elsevier pages 633-640, 2012
283. Chowdhury ZT, **Watson RR**, Pycnogenol® and Antioxidant Activity in Health Promotion, *Bioactive, Food as Dietary Interventions for Arthritis and Related Inflammatory Diseases*. Elsevier pages 405-411, 2012
282. **Watson RR**, *Nuts and Seeds: Formulating for Health and Disease Prevention*. Organic Processing, 9: pages 16, 18-21, 2012
281. Acharya S, **Watson RR**. An Indian spice: Turmeric in relation to skin health and cancer, **Watson RR**, Zibadi S. *Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology*, Springer/Humana, pages 357-360, 2012
280. **Watson RR**, Berg, A. Chocolate: A role in skin care and cancer, *Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology*, Springer/Humana, pages 337-340, 2012
279. Carey, CL, **Watson RR** Dietary plant extracts and foods in prevention of skin cancer: An Overview, **Watson RR**, Zibadi S. *Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology*, Springer/Humana, pages 277-282, 2012
278. Meltzer, AC, **Watson RR** Vitamin E in aging skin and cancer, **Watson RR**, Zibadi S. *Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology*, Springer/Humana, pages 269-276, 2012
277. McClain, GE **Watson RR** The role of polyphenols in skin health, **Watson RR**, Zibadi S. *Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology*, Springer/Humana, pages 169-177, 2012
276. Patel L, **Watson RR**. Chocolate and skin health, **Watson RR**, Zibadi S. *Bioactive Dietary Factors and Plant Extracts in Preventive Dermatology*, Springer/Humana, pages 137-142, 2012
275. Chowdhury, ZT, Henderson MA, **Watson RR** Breastfeeding and Infant Nutrition in the Indian Subcontinent: Problems and Solutions. *Nutrition in Infancy*, Humana Press, pages 51-66, 2012
274. Pugmire J, **Watson RR** Early Childhood Exposure to Environmental Tobacco Smoke and its Effects on Allergy and Asthma. *Nutrition in Infancy*, Humana Press, pages 275-88, 2012
273. Denning M, **Watson RR** Alcohol and smoking: A correlation of use in youth? *Alcohol, Nutrition, and Health Consequences*, Humana Press accepted for publication 2012
272. Arguelles M, **Watson RR**. Feijoa (Pineapple Guava) Fruit: A role in health promotion? *Bioactive Foods and Extracts: Cancer Treatment and Prevention*. Taylor and Francis, pages 603-8, 2010
271. Cordova FM, **Watson RR**. Prunes and Plums in Health Promotion. *Bioactive Foods and Extracts: Cancer Treatment and Prevention*. Taylor and Francis, pages 205-10, 2010

270. Cordova FM, **Watson RR**. New Zealand Christmas Tree: Historic uses and cancer prevention. *Bioactive Foods and Extracts: Cancer Treatment and Prevention*. . Taylor and Francis pages 583-5, 2010
269. Chowdhury, ZT, Schonlau F, Zibadi S, **Watson RR**. Cost of Pycnogenol supplementation and traditional cardiovascular disease treatments per unit of improved health outcome. *Nutrients, Dietary Supplements, and Nutraceuticals: Cost Analysis versus Clinical Benefits*, Humana Press, pages 467-476, 2010
268. Bentley G., Schonlau F, Zibadi S, **Watson RR**. Cost of Pycnogenol Supplementation and Traditional Diabetes Treatments per Unit of Improved Health Outcome. *Nutrients, Dietary Supplements, and Nutraceuticals: Cost Analysis versus Clinical Benefits*, Humana Press, pages 457-466, 2010
267. Sabetisoofyani A, Larson DF, **Watson RR**. Homocysteine: Role in cardiovascular disease, *Modern Dietary Fat Intakes in Disease Promotion*. Humana, pages 193-198, 2010
266. Cordova F, Zibadi S, Larson DF, **Watson RR**. Cardiac structure and functional changes in genetically modified models of obesity, *Modern Dietary Fat Intakes in Disease Promotion*. Humana, pages 199-204, 2010
265. Zibadi S, Larson DF, **Watson RR**. Leptin and obesity: Role in cardiac structure and dysfunction, *Modern Dietary Fat Intakes in Disease Promotion*. Humana, pages 193-198, 2010
264. Zibadi S, **Watson RR**. Antidiabetic properties of Pycnogenol, a pine bark extract *AgroFOOD Industry Hi Tech* 20: 8-10, 2009
263. Zibadi S, **Watson RR**. Leptin: A novel target for reducing the risk of heart disease in obesity *Inform* 20:735-736, 2009
262. Zibadi S, Arguelles M, **Watson RR**. Passion Fruit (*Passiflora edulis*): composition, Efficacy and Safety. *Botanical Medicine in Clinical Practice*. CAB International, pps. 761-766, 2008
261. **Watson RR**, Arguelles MC. Pycnogenol and Cardiovascular Health. *Botanical Medicine in Clinical Practice*. CAB International, pps. 538-544, 2008
260. **Watson RR**. Cranberries and Health Promotion. *Botanical Medicine in Clinical Practice*. CAB International, pps. 653-656, 2008
259. **Watson RR**. Policonsanol Reduces Heart Disease Risk Factors. *Botanical Medicine in Clinical Practice*. CAB International, pps. 535-537, 2008
258. **Watson RR**, Stanaway JD. African Medicinal Plants for the Treatment of HIV/AIDS. *Botanical Medicine in Clinical Practice*. CAB International, pps. 13-19, 2008
257. Mechirova V, Singh RB, DeMeester F, **Watson RR**, Juneja L, Fedacko J, Pella D. Can whole grains protect against cardiovascular disease? *WHJ* 1: 2008.
256. Michael SS, **Watson RR**. Tobacco Industry. *Gale Encyclopedia of Drugs, Alcohol, and Addictive Behavior 3rd edition*, pps 105-112, 2008.
255. Michael SS, **Watson RR**. A History of Tobacco. *Gale Encyclopedia of Drugs, Alcohol, and Addictive Behavior 3rd edition*, pps 95-101 2008.

254. Cordova FM, **Watson** RR. Alcohol: Complications: Immunologic. *Gale Encyclopedia of Drugs, Alcohol, and Addictive Behavior 3rd edition*, pps 369-375, 2008.
253. Cordova FM, **Watson** RR. Alcohol: Complications: Endocrine and reproductive systems. *Gale Encyclopedia of Drugs, Alcohol, and Addictive Behavior 3rd edition*, pps 364-369, 2008
252. Zibadi S, Larson DF, **Watson** RR. Immune dysregulation: potential mediator of metabolic syndrome-induced cardiac remodeling. *Immune Dysfunction and Immunotherapy in Heart Disease*. Oxford: Blackwell Publishing Inc, pps 34-38, 2007.
251. Zibadi S, Larson DF, **Watson** RR. Immune dysregulation: Immunosuppression by ultraviolet light-B radiation: a mediator of cardiac remodeling. *Immune Dysfunction and Immunotherapy in Heart Disease*. Oxford: Blackwell Publishing Inc, pps 3-5, 2007.
250. Zibadi S, Larson DF, **Watson** RR. Flavonoid-rich Dietary Supplements' Influence on Heart Failure. *Wild-Type Food in Health Promotion and Disease Prevention-The Columbus Concept*. Humana Press Inc, pps 435-442, 2007.
249. **Watson** RR. Rohdewald P, Silva GE. Asthma risk factors in desert southwest of USA: Role of nutritional supplement, Pycnogenol in therapy. *Journal of Nutritional and Environmental Medicine* 2007.
248. **Watson** RR. Pycnogenol and coenzyme Q10 enhance cardiovascular health. *Evidence-Based Integrative Medicine*. 2: 67-70, 2007.
247. Warf, RD, **Watson** RR. Calcium phosphate nutrition in prevention of early childhood dental caries. *Wild-Type Food in Health Promotion and Disease Prevention-The Columbus Concept*, Humana Press Inc, pps 323-329, 2007.
246. Sedig S, **Watson** RR. Dietary prevention of adult macular degeneration Omega-3 fatty acids and antioxidants. *Wild-Type Food in Health Promotion and Disease Prevention-The Columbus Concept*, Humana Press Inc, pps 323-329, 2007.
245. Marchalonis JJ, Schluter SF, Sepulveda RT, **Watson** RR, Larson DF. Immunomodulation by immunopeptides and autoantibodies in aging, autoimmunity, and infection. *Annals of the New York Academy of Science* 1057:247-259, 2005.
244. Ravia JJ, **Watson** RR. Vitamin E retards heart disease in AIDS patients. *AIDS and Heart Disease*. Marcel Dekker, pps 241-246, 2004.
243. Slayback DL, **Watson** RR. Bioflavonoids and cardiovascular health: Tea, red wine, cocoa, and Pycnogenol. *Journal of the American Nutraceutical Association* 16-21, 2006.
242. **Watson** RR, Zibadi S, Vaquez R, Larson D. Nutritional regulation of immunosenescence for heart health. *Journal of Nutritional Biochemistry* 16: 85-87, 2005.
241. **Watson** RR, Zibadi S. Pycnogenol in cardiovascular protection. *Natural Pharmacy* 9: (no.3) 8-9, 2005.
240. **Watson** RR. Homocysteine and folate: Prevention of heart disease. *Natural Pharmacy* 9: (no.1) 1, 12, 2005.
239. **Watson** RR. Nutrients and heart disease prevention. *Natural Pharmacy* 9: (no 5) pps 1, 18,19, 2005.
238. **Watson** RR. Be informed before selecting supplements. *UA Sarver Heart Center*. Fall, p.7, 2004.

237. **Watson, RR.** Phytochemicals and cancer prevention. *Natural Pharmacy*, 8:1,16-17, 2004.
236. Yu Q, **Watson RR.** Heart Disease in AIDS. *AIDS and Heart Disease*. Marcel Dekker, pps 1-6, 2004.
235. Zhang J, **Watson, RR.** Antioxidant vitamins and heart disease prevention. *AIDS and Heart Disease*. Marcel Dekker, pps 177-186, 2004.
234. Slayback D, **Watson, RR.** Bioflavonoids and cardiovascular health: Tea, red wine, cocoa, and Pycnogenol. *International Symposium Future Development Agricultural Biotechnology Park (Taiwan)* pps 234-251, 2004.
233. Zibadi S, **Watson RR.** Passion fruit (*Passiflora edulis*) composition, efficacy, and safety. *Evidence-Based Integrative Medicine*, 1:183-187, 2004.
232. Sepulveda RT, **Watson RR.** Nutrients and treatment of heart disease in AIDS. *AIDS and Heart Disease*. Marcel Dekker, pps 187-196, 2004.
231. Zhang J, **Watson RR.** Antioxidant vitamins and antiretroviral therapy during HIV I infections: Effects of oxidative damage. *AIDS and Heart Disease* pps 233-240, 2004.
230. Chen Y, **Watson RR.** Causative factors of cardiovascular complications in AIDS. *AIDS and Heart Disease*. Marcel Dekker, pps 101-110, 2004.
229. Liu YY, **Watson RR.** Role of antioxidants in reducing heart disease in HIV-infected patients. *AIDS and Heart Disease*. Marcel Dekker, pps 225-232, 2004.
228. **Watson, RR.** Antioxidant protection from secondhand smoke. *Natural Pharmacy* 8: 1, 14, 2004.
227. Yang B, Larson DF, **Watson RR.** Inducible nitric oxide synthase (iNOS) and heart failure. *Nutrition and the Heart: Causation and Prevention*. CRC Press pps 333-350, 2003.
226. Yang B, Larson DF, **Watson RR.** Age-related cardiac dysfunction. *Nutrition and the Heart: Causation and Prevention*. CRC Press, pps 321-332, 2003.
225. **Watson RR.** Pycnogenol and cardiovascular health. *Evidence-based Integrative Medicine* 1:27-32, 2003.
224. **Watson RR.** Pycnogenol in cardiovascular disease and asthma. *Natural Pharmacy*, 7:1, 17, 2003.
223. **Watson RR.** Lycopene and cancer prevention. *Natural Pharmacy* 6: 1,14-15, 2002.
222. Hickman D, **Watson RR.** Soy and breast cancer risk. *Natural Pharmacy* 6:1, 6, 20, 2002.
221. Eagan TS, **Watson RR.** Methamphetamine in heart disease. *Cardiovascular Review*.
220. Walston M, **Watson RR.** Culture-fair test. *The Gale Encyclopedia of Medicine*, 2nd edition. 969-970, 2002.
219. Eagan T, **Watson RR.** Hepatitis, drug induced. *The Gale Encyclopedia of Medicine*, 2nd edition. 1607-1608, 2002.
218. Walston M, **Watson RR.** Retinal vein occlusion. *The Gale Encyclopedia of Medicine*, 2nd edition, 2002.
217. **Watson RR.** Nutrition in preventing immunosenescence. *Natural Pharmacy* 6:4:10,12, 2002.

216. Eagan T, **Watson RR**. Methemoglobinemia. *The Gale Encyclopedia of Medicine*, 2nd edition pps 2878-81, 2002.
215. Eagan T, **Watson RR**. Eye cancer. *The Gale Encyclopedia of Medicine*, 2nd edition pps 1260-1, 2001.
214. Sepulveda RT, **Watson RR**. Treatment of antioxidant deficiencies in AIDS patients. *Nutrition Research*, 22:27-37, 2002.
213. Sepulveda RT, **Watson RR**. Alcohol's accentuation of AIDS' nutritional and immune damage, a cofactor in heart disease. *Alcohol and Heart Disease*, Taylor & Francis, pps 250-258, 2002.
212. Solkoff D, **Watson RR**. Mechanisms of cocaine cardiotoxicity. *Alcohol and Heart Disease*, Taylor & Francis, pps 228-234, 2002.
211. Solkoff D, **Watson RR**. Cardiotoxicity and cocaine use by humans and rodents: synergisms of concomitant cocaine plus alcohol exposure. *Alcohol and Heart Disease* Taylor & Francis, pps 218-227, 2002.
210. Arvallo L, **Watson RR**. Cocaethylene: immunologic, hepatic and cardiac effects. *Alcohol and Heart Disease*, Taylor & Francis, pps 212-217, 2002.
209. Zhang J, **Watson RR**. Alcohol and smoking: synergism in heart disease? *Alcohol and Heart Disease*. Taylor & Francis, pps 114-119, 2002.
208. Ravia JJ, **Watson RR**. The correlation between cholesterol oxidation products and eggs. *Eggs and Health Promotion*, Iowa State University Press, pps 133-140, 2002.
207. Zhang J, **Watson RR**. Health effects of docosahexanoic acid (DHA)-enriched eggs. *Eggs and Health Promotion* Iowa State University Press, pps 123-132, 2002.
206. Chen Y, **Watson RR**. Effect of dietary eggs on human serum cholesterol and coronary heart disease. *Eggs and Health Promotion* Iowa State University Press, pps 101-110, 2001.
205. Liu YY, **Watson RR**. Reducing infection in infants with egg phospholipids. In: *Eggs and Health Promotion* Iowa State University Press, pps 55-60, 2002.
204. **Watson RR**. Treatment Programs/Centers/Organizations: An Historic Perspective. *Encyclopedia of Drugs, Alcohol and Addictive Behavior*, Macmillan Reference USA, 3:1134-407, 2001.
203. **Watson RR**. Alcohol and AIDS. *Encyclopedia of Drugs, Alcohol and Addictive Behavior* Macmillan Reference USA, 1:66-7, 2001.
202. **Watson RR**. Parasite Diseases and Alcohol. *Encyclopedia of Drugs, Alcohol and Addictive Behavior*, Macmillan Reference USA, 2:835, 2001.
201. **Watson, RR**, Liu, Y. Complications: Immunologic. *Encyclopedia of Drugs, Alcohol and Addictive Behavior*, Macmillan Reference USA, 1:299-303, 2001.
200. **Watson RR**. Alcohol: Complications. *Encyclopedia of Drugs, Alcohol and Addictive Behavior*, Macmillan Reference USA, 1:74-7, 2001.
199. Hosseini S, Inserra P, Araghi Niknam M, **Watson RR**. Colostrum and milk in treatment of disease. *The Immunological Properties of Milk*. 10: 201-210, 2001.
198. **Watson RR**. Diet in cancer risk and prevention. *Natural Pharmacy*. 5 (#10): 1,18,19, 2001.

197. Marchalonis JJ, Robey JF, Edmundson AB Sepulveda RT, **Watson** RR. T- cell receptor derived peptides in immunoregulation and therapy of retrovirally induced immunosuppression. *Critical Reviews in Immunology* 21:57-74, 2001.
196. Lee J, Yoshi Kawa, **Watson** RR. Nutritional deficiencies in AIDS patients. A treatment opportunity. *AIDS & Alternative Medicine* pps 56-70, 2001.
195. **Watson** RR. UV radiation: A look at nutrient defenses. *Natural Pharmacy* 5: 1, 22-23, 2001.
194. Hosseini S, Sepulveda T, Lee J, **Watson** RR. Alcoholism and immune function. 3rd edition. *Psychoneuroimmunology* 2:687-700, 2001.
193. **Watson** RR. Nutritional supplements in AIDS - Whys and wherefores. *Natural Pharmacy*, 5:1, 8-10, 2001.
192. Hosseini S, **Watson** RR. Cytomegalovirus & cardiovascular disease. *Cardiovascular Reviews and Reports*, 21: 37-45, 2000.
191. **Watson** RR. Sunscreen in a pill? *Greatlife*, pps 30-33, 2000.
190. Lee J, **Watson** RR. Nutrients and vegetables in skin protection. *Vegetables, Fruits, and Herbs in Health Promotion*, pps 99-108, 2000.
189. Zhang J, **Watson** RR. Environmental tobacco smoke and cardiovascular disease. *Environmental Tobacco Smoke*, 309-318, 2000.
188. **Watson** RR, Rodriquez J, Chen Y. Effects of antioxidants on tobacco smoke-associated cardiovascular damage. *Environmental Tobacco Smoke*, 59-68, 2000.
187. Liu YY, Zhang J, **Watson** RR. Environmental tobacco smoke promotes heart disease. *Cardiovascular Reviews and Reports*, 21: 589-594, 2000.
186. **Watson** RR, Zhang J. Antioxidant vitamins in reducing the toxicity of environmental tobacco smoke. *Environmental Tobacco Smoke*, 45-58, 2000.
185. Lucero HR, **Watson** RR. Cigarette smoking and AIDS. *Nutrition and AIDS II*. 125-130, 2000.
184. Solkoff D, **Watson** RR. Drugs of Abuse modulate immune and nutritional status in AIDS. *Nutrition and AIDS II*. 97-124, 2000.
183. Lee J, **Watson** RR. Antioxidants in human AIDS. *Nutrition and AIDS II*. 15-23, 2000.
182. Lee J, **Watson** RR. Supplementation and undernutrition affect survival in murine AIDS. *Nutrition and AIDS II*. 9-14, 2000.
181. **Watson** RR. Discussant in Physiologically Active Food Components: Their Role in Optimizing Health and Aging. *American Journal of Clinical Nutrition* 71 (supplement) pages 1703S, 1708S, 1717s-1719S, 2000.
180. Zhang J, **Watson** RR. Alcohol and tobacco abuse, and the health of aging people. *Alcohol and Coffee Abuse in the Aging*, pps 113-123, 2000.
179. Araghi-Niknam M, Behnam B, Shams ML, **Watson** RR. Dehydroepiandrosterone in heart transplant patients. *Health Promotion and Aging: The Role of Dehydroepiandrosterone (DHEA)* Harwood Academic Publishers, pps 41-56, 1999.
178. Araghi-Niknam M, Jiang S, **Watson** RR. DHEA cytokine dysregulation in aging and AIDS. *Dehydroepiandrosterone (DHEA)* pps 41-55, 1999.

177. **Watson RR.** The health promotion challenge of the 21st century: Aging. *Arizona Prevention Center Newsletter*, 3:3-4, 1999.
176. **Watson RR.** Reduction of cardiovascular disease risk factors by French Maritime pine bark extract. *Cardiovascular Review Reports*. 20:326-329, 1999.
175. **Watson RR.** Dehydroepiandrosterone (DHEA) and AIDS. *Health Promotion and Aging: The Role of Dehydroepiandrosterone (DHEA)*, Harwood Academic Publishers pps 137-146, 1999.
174. **Watson RR.** DHEA: Efficacy supported by testing and model studies. *Journal of Clinical Endocrinology and Metabolism*, 84:4748, 1999.
173. Araghi-Niknam M, **Watson RR.** DHEA is cell growth and carcinogenesis: Farnesyl transferase. *Health Promotion and Aging: The Role of Dehydroepiandrosterone (DHEA)*, Harwood Academic Publishers pps 125-136, 1999.
172. Zhang Z, **Watson RR.** DHEA in immune modulation and aging. *Health Promotion and Aging: The Role of Dehydroepiandrosterone (DHEA)*. Harwood Academic Publishers, pps 113-124, 1999.
171. Jiang S, **Watson RR.** Modulation of muscle and fat mass by DHEA. *Health Promotion and Aging: The Role of Dehydroepiandrosterone (DHEA)*, Harwood Academic Publishers pps 43-48, 1999.
170. Ardestani SK, Inserra P, Solkoff D, **Watson RR.** The role of cytokines and chemokines on tumor progression: A review. *Cancer Detection and Prevention* 23:215-225, 1999
169. Raja KB, Simpson RJ, **Watson RR**, Preedy VR. The future direction of pathology: Personal perspectives. *Methods in Disease: Investigating the Gastrointestinal Tract* pps 55-8, 1998.
168. Solkoff D, Cumming, WT, Liang B, Inserra P, **Watson RR.** The antioxidant properties of melatonin. *Melatonin in the Promotion of Health*. CRC Press pps 41-58, 1998.
167. Solkoff D, Inserra P, **Watson RR.** Melatonin and reproduction. *Melatonin in the Promotion of Health*, CRC Press pps 191-202, 1998.
166. **Watson RR.** Vitamin-E and the immune system. *Encyclopedia Immunology*, Second Edition pps 2500-2501, 1998.
165. Lopez MC, Roux ME, **Watson RR.** Fluorescent microscopy of Immune cells in the Peyer's patches and small intestine in immunodeficiency. *Methods in Disease: Investigating the Gastrointestinal Tract* Greenwich Medical Media Ltd pps 311-322, 1998.
164. **Watson RR.** Murine AIDS studies define antioxidant deficiency mechanisms. *American Journal of Clinical Nutrition* 68:402-403, 1998.
163. Lee J, **Watson RR.** Cranberry: a role in health promotion. *Nutrients and Foods in AIDS*. CRC Press pps 217-222, 1998.
162. Lee J, **Watson RR.** Pomegranate: a role in health promotion and AIDS? *Nutrients and Foods in AIDS*. CRC Press, pps 213-216, 1998.
161. Wang Y, Liang B, **Watson RR.** Vitamin E supplementation retards the development of acquired immune deficiency syndrome. *Nutrients and Foods in AIDS*. CRC Press pps 193-210, 1998.

160. Liang B, Wang Y, **Watson** RR. T cell receptor peptide and immune modulation. *Nutrients and Foods in AIDS*. CRC Press, Inc., pps 171-177, 1998.
159. Liang B, **Watson** RR. Oxidation and nutrition deficiency in AIDS: Promotion of immune dysfunction for cardiac toxicity? *Nutrition Research*, 18:417-31, 1998.
158. **Watson** RR. Building blocks of Life. *Orgyn* 8 (number 3):32-35, 1997.
157. Liang B, Zhang Z, Inserra P, Ardestani S, Araghiniknam M, Elliot K, Molitor M, **Watson** RR. Melatonin and Immune modulation and aging. *Autoimmunity*, 26:43-53, 1997.
156. Liang B, Lee J, **Watson** RR. Nutritional deficiencies in AIDS patients: A treatment opportunity. *EOS Journal Immunology and Immunopharmacology* 17:12-20, 1997.
155. Zhang Z, Inserra PF, **Watson** RR. Antioxidants and AIDS. *Antioxidant Nutrients in Disease Prevention*. CRC Press, pps 31-44, 1997.
154. Inserra PF, Ardestani SK, **Watson** RR. *Antioxidants and immune function. Antioxidant Nutrients in Disease Prevention*, pps 19-30, 1997.
153. **Watson** RR. Dehydroepiandrosterone and vitamin E: antioxidant restorers of immune defenses made dysfunctional by age, leukemia, or AIDS in mice. *Nutritional Immunomodulation in Disease and Health Promotion*, Report of the 15th Ross Conference on Medical Research, Columbus, Ohio: Ross Products Division, Abbott Laboratories, pps 2-7, 1997.
152. **Watson** RR, Chung S, Huls A, Araghiniknam M. Dehydroepiandrosterone (DHEA) and diseases of aging. *Drugs and Aging*. 9:274-291,1996.
151. Liang B, Wang JY, **Watson** RR. Murine AIDS, a key to understanding retrovirus-induced immunodeficiency. *Viral Immunology* 98:225-239,1996.
150. **Watson** RR. Maternal drinking and fetal damage. *ORGYN*. Winter pps 36-40, 1996.
149. Preedy VR, **Watson** RR. Alcohol and the gastrointestinal tract. *Alcoholism Clinical and Experimental Research* 20:48A-50A, 1996.
148. **Watson** RR, Jiang S. Does DHEA supplementation affect muscle mass? *Expert Opinion on Investigational Drugs* 5:1725-1728, 1996.
147. **Watson** RR. DHEA and aging. *Nutrition and the M.D.* 1996.
146. Call A, Matz HR, **Watson** RR. Melatonin in disease prevention and health promotion. *Expert Opinion on Investigational Drugs* 5:1647-1656, 1996.
145. Liang B, **Watson** RR. Vitamin E and Immunomodulation for cancer and AIDS resistance. *Expert Opinion on Investigational Drugs* 5:1221-1225, 1996.
144. Jiang S, **Watson** RR. DHEA in immune regulation and cancer prevention. *Expert Opinion on Investigational Drugs* 5:1217-1220, 1996.
143. Liang B, Araghiniknam M, **Watson** RR. Vitamins and immunomodulation in AIDS. *Nutrition* 12:1-7, 1996.
142. Preedy VR, **Watson** RR. Objectives for future research in understanding the effects of ethanol on the gastrointestinal tract. *Alcohol and the Gastrointestinal Tract* pps 331-336 CRC Press, 1995.
141. Ardestani SK, Ahadian M, **Watson** RR. Antioxidant nutrients and breast cancer. In: *Nutrition and Cancer Prevention* pps 173-204, 1995.

140. Liang B, Wang JY, **Watson** RR. Vitamin E and cancer prevention. In: *Nutrition and Cancer Prevention* pps 283-298, 1995.
139. **Watson** RR. Cocaethylene. *Encyclopedia of Drugs and Alcohol*. 1:230-231, 1995.
138. **Watson** RR. Parasites, diseases and alcohol. *Encyclopedia of Drugs and Alcohol*. 2:782, 1995.
137. **Watson** RR. Betty Ford Center. *Encyclopedia of Drugs and Alcohol*. 1:163-164, 1995.
136. **Watson** RR. Immunologic (Alcohol - Complications). *Encyclopedia of Drugs and Alcohol*. 1:269-274, 1995.
135. **Watson** RR. Preface to symposia on alcohol and cancer. *Alcohol* 12:85, 1995.
134. Wang Y, **Watson** RR. Is alcohol consumption a cofactor in the development of acquired immunodeficiency syndrome? *Alcohol* 12:105-109, 1995.
133. Wang J, Huang D, **Watson** RR. Alcohol and immunomodulation during murine acquired immunodeficiency syndrome. *Alcohol, Drugs of Abuse and Immune Functions*, pps 185-200, 1995.
132. Ardestani S, **Watson** RR. Immunomodulation by alcohol in mice. *Alcohol, Drugs of Abuse and Immune Functions*, pps 27-42, 1995.
131. Wang Y, **Watson** RR. The role of alcohol on endocrine-immune interactions. *Alcohol, Drugs of Abuse and Immune Functions*, pps 229-244, 1995.
130. Liang B, Lane L, **Watson** RR. Vitamin E stimulation of disease resistance and immune function. *Expert Opinion on Investigational Drugs*, 4:201-211, 1995.
129. **Watson** RR. Supplemental vitamin A and E: will AIDS patients benefit? *Nutrition and the M.D.* 21:1-4, 1995.
128. **Watson** RR. Prevention of immune dysfunction by dehydroepiandrosterone in aging, chronic AIDS and leukemia patients. *Expert Opinion on Investigational Drugs* 4:147-154, 1995.
127. **Watson** RR. Alcohol and Cancer, *Alcohol* 12:1-2, 1995.
126. **Watson** RR, Nixon P, Seetz HK, Maclennam R. Alcohol and cancer. *Alcohol Alcoholism Suppl.* 2, 453-455, 1994.
125. Beckham CJ, **Watson** RR. Ethanol-induced under-nutrition and immunosuppression: Potential role in increased cancer risk in alcoholics. *Journal of Optimal Nutrition* 2:234-238, 1994.
124. Wang Y, **Watson** RR. Potential therapeutics of Vitamin E (Tocopherol) in AIDS and HIV. *Drugs*, 48:327-338, 1994.
123. Wang Y, **Watson** RR, Ethanol, immune responses and murine AIDS; The role of vitamin E as an immunostimulant and antioxidant. *Alcohol*, 11:75-84, 1994.
122. **Watson** RR, Alcohol immunomodulation and AIDS. *Alcohol*, 11:67, 1994.
121. **Watson** RR, Borgs P, Witte M, McCuskey RS, Lantz C, Johnson MI, Mufti SI, Earnest DL. Alcohol, immunomodulation, and disease. *Alcohol Alcoholism*, 29:131-139, 1994.
120. **Watson** RR. Alcohol and vitamin E modulation of cancer growth during Murine AIDS. *HIV and Alcohol Impairment: Reducing Risks* pps 72-76, 1994.
119. Wang Y, **Watson** RR. Is vitamin-E supplementation a useful agent in AIDS therapy? *Progress in Food and Nutrition Science*, 17:351-375, 1993.

118. **Watson** RR, Wood S, Eskelson CE. Nutritional supplementation in alcohol users, a critical component for optimal health? *Journal of Optimal Nutrition* 2:127-128, 1993.
117. Odeleye OE, Eskelson CD, **Watson** RR. Alcohol ingestion and lipoperoxidation: role of glutathione in antioxidant defense and detoxification. *Journal of Optimal Nutrition* 2:173-189, 1993.
116. Pillai RK, **Watson** RR. Immunotoxicology of drug and alcohol use: Relevance to AIDS and cancer. *Advances in Biosciences*, 86:427-436, 1993.
115. Darban H, Crawford GB, **Watson** RR. Alcohol and the human immune system. *Advances in Biosciences*, pps 86:5-6, 1993.
114. **Watson** RR, Gottesfeld, Z. Neuroimmune effects of alcohol and its role in AIDS. *Advances in Neuroimmunology* 3:151-162, 1993.
113. Pillai RK, Garewal HS, Wood S, **Watson** RR. Biological monitoring of cancer chemoprevention. *Journal of Surgical Oncology*, 51: 195-202, 1992.
112. Chen GJ, Watzl B, Huang DS, Tachibana K, Way D, **Watson** RR. In vitro measures of mononuclear phagocyte functions. *In Vitro Methods of Toxicology*, pps 67-80, 199.
111. **Watson** RR, Gottesfeld Z. Seven papers from a symposium on Alcohol and Immunomodulation sponsored by the International Biomedical Research on Alcoholism. *Alcohol* 9: 453-454, 1992.
110. Wood S, **Watson** RR. Antioxidant nutrients and cancer prevention in the aged. *Handbook of Nutrition in Aged II*: 281-294, 1993.
109. Chen GJ, Wood S, **Watson** RR. Modulation by drugs and measurement of natural killer cell activity. *In Vitro Methods of Toxicology* pps 53-66, 1992.
108. Odeleye OE, **Watson** RR. Role of alcohol in nutrition. CRC Press, *Alcohol and Nutrition*, pps 1-38, 1992.
107. Watzl B, **Watson** RR. Nutrition and alcohol-induced immunomodulation. *Nutrition and Alcohol* pps 429-446, 1992.
106. Odeleye OE, **Watson** RR. Role of nutrition in alcoholism. *Journal of Applied Nutrition* 44:50-62, 1992.
105. Odeleye O, **Watson** RR, Eskelson CD. Glutathione: Effects of alcohol ingestion on hepatic glutathione and its metabolic and pathological consequences. *Alcohol and Cancer*, CRC Press, pps 235-253, 1992.
104. Watzl B, **Watson** RR. Alcohol and cytokine secretion. *Alcohol, Immunology and Cancer*, CRC Press, 87-102, 1992.
103. Watzl B, **Watson** RR. Role of alcohol abuse in nutritional immunosuppression. *Journal of Nutrition* 122:733-737, 1992.
102. **Watson** RR. Nutrition, immunomodulation and AIDS: An overview. *Journal of Nutrition* 122:715, 1992.
101. Odeleye OE, **Watson** RR. Effects of alcohol and cocaine abuse on antioxidant systems, nutritional status and liver damage. *Liver Pathology and Drugs of Abuse*. Humana Press, II: 467-512, 1991.
100. Nair B, **Watson** RR. Cocaine and the pregnant woman. *Journal of Reproductive Medicine* 36:862-867, 1991.

99. **Watson RR.** Cofactors in HIV infection: Progression to AIDS and increased susceptibility to disease. *AIDS Medical Report*, 4:74-80, 1991.
98. Pillai RK, Somasekharan B, **Watson RR.** AIDS, drugs of abuse, and the immune system: A complex immunotoxicological network. *Archives of Toxicology* 65:609-617, 1991.
97. Odeleye OE, **Watson RR.** The potential role of vitamin E in the treatment of immunologic abnormalities during Acquired Immune Deficiency Syndrome. *Progress in Food and Nutrition Science*, pps 15:1-19, 1991.
96. Pillai RK, **Watson RR.** Alcohol, sex and AIDS: A response. *Alcohol Alcoholism*, 25:711-713, 1991.
95. Pillai RM, **Watson RR.** AIDS: Disease progression and immunomodulation by drugs of abuse and alcohol. *AIDS Medical Report*, 4:25-36, 1991.
94. Prabhala RH, Garewal HS, Meyskens FL Jr., **Watson RR.** Immunomodulation in humans caused by beta-carotene and vitamin A. *Nutrition Research* 10:1473-1486, 1990.
93. **Watson RR.** Exercise, hyperactivity, and inactivity: Immune cell changes and alterations in pathogenesis. *Sports-induced Inflammation: Clinical and Basic Science Concepts*. American Academy Orthopaedic Surgeons. Park Ridge, IL pps 699-712, 1990.
92. Pillai RM, **Watson RR.** In vitro immunotoxicology and immunopharmacology: Studies on drugs of abuse. *Toxicology Letters*. 53:269-283, 1990.
91. **Watson RR.** Undernutrition and nutritional treatment in AIDS patients: immunomodulation. *AIDS Medical Report*, 3:87-93, 1990.
90. Udall Jr JN, **Watson RR.** Development of immune function. *Pediatric Gastrointestinal Disease*, I: 300-311, 1990.
89. Wallace CL, **Watson RR.** Immunomodulation by tobacco. *Drugs of Abuse and Immune Functions*. CRC Press, pps 139-150 1990.
88. Leonard-Green T, **Watson RR.** Alcohol produced malnutrition and immunosuppression. *Drugs of Abuse and Immune Functions*. CRC Press Inc., pps 125-138, 1990.
87. Watzl B, **Watson RR.** Immunomodulation by cocaine—A neuroendocrine mediated response. *Life Science* 46:1319-1329, 1990.
86. Mufti SI, Garewal S, **Watson RR.** Role of environment, drugs of abuse, and nutritional factors in the etiology and prevention of cancers of oral cavity and esophagus. *Biochemistry and Physiology of Substance Abuse*. CRC Press, Inc., II: 1-24, 1990.
85. **Watson RR.** Alcohol, immunosuppression and disease pathogenesis. Research in NIAAA: Specialized Alcohol Research Center at The University of Arizona. *Western Journal of Medicine* 151: (Arizona Med. 66:4), 1989.
84. Leonard-Green TK, **Watson RR.** The AIDS-ImmunoCompetence-Nutrition Infection Cycle. *Cofactors in HIV-1 Infection and AIDS*. CRC Press, pps 187-200, 1989.
83. **Watson RR,** Wallace CL. Drugs of abuse as cofactors in the progression of HIV infection to AIDS. *Cofactors in HIV-1 Infection and AIDS*. CRC Press, pps 97-102, 1989.

82. Wallace CL, **Watson** RR. Stress and Immunity: Implications for AIDS. *Cofactors in HIV-I Infection and AIDS*. CRC Press, pps 85-96, 1989.
81. **Watson** RR. Animal models for studying the role of cofactors in retroviral diseases causing acquired immune deficiency syndromes. *Cofactors in HIV-I Infection and AIDS*. CRC Press, pps 79-84, 1989.
80. Wallace CL, **Watson** RR. The effects of organic solvents, psychotropic drugs, and caffeine on immunity. *Cofactors in HIV-I Infection and AIDS*. CRC Press, pps 55-60, 1989.
79. **Watson** RR. Immunomodulation by alcohol: A cofactor in development of AIDS after retrovirus infection. *Cofactors in HIV-I Infection and AIDS*. CRC Press, pps 47-54, 1989.
78. **Watson** RR. Exercise, weightlessness, and inactivity: Modifiers of immune function. *Exercise and Sport Nutrition*. CRC Press, pps 385-395, 1989.
77. Mohs ME, **Watson** RR. Nutritional effects of selected drugs of abuse. *Biochemistry and Physiology of Substance Abuse*. CRC Press, I: 59-76, 1989.
76. Mohs M, **Watson** RR. Alcohol-induced changes in nutrition. *Biochemistry and Physiology of Substance Abuse*. I: 49-58, 1989.
75. **Watson** RR, Mufti SI. Alcohol and neoplastic disease. *CRC-critical Review in Oncology/Hematology*. 9:243-261, 1989.
74. Mohs ME, **Watson** RR. Ethanol induced malnutrition, a potential cause of immunosuppression during AIDS. *Progress in Clinical Biology Research*. 325:433-444, 1989.
73. **Watson** RR, Mohs ME. Effects of morphine, cocaine, and heroin on nutrition. *Progress in Clinical Biology Research* 325:413-418, 1989.
72. **Watson** RR. B-Complex vitamins and trace elements: A role in cancer prevention? *Food Nutrition News* 61:15-18, 1989.
71. Mohs ME, **Watson** RR. Changes in the nutrient status and balance associated with alcohol abuse. *Diagnosis of Alcohol Abuse*. CRC Press, Inc. pps 125-146, 1989.
70. **Watson** RR. Diagnosis of alcohol abuse by modulation of immune responses. *Diagnosis of Alcohol Abuse*. CRC Press, Inc., pps 101-124, 1989.
69. Mohs ME, **Watson** RR. Changes in enzymes and other biochemical markers associated with alcohol abuse. *Diagnosis of Alcohol Abuse*. CRC-Press pps 69-100, 1989.
68. **Watson** RR. Murine immunology: A potent tool in developing cancer prevention and AIDS treatment in humans. *Animal Tracks*. University of Arizona publication 3:2-3, 1989.
67. **Watson** RR. Murine models for Acquired Immune Deficiency Syndrome. *Life Science* 44:i-xiii, 1989.
66. **Watson** RR. Ethanol, Immunomodulation and cancer. *Progress in Food and Nutrition Science* 12:189-209, 1988.
65. Wallace CL, **Watson** RR, **Watson**, AA. Reducing cancer risk with vitamins C, E, and selenium. *American Journal of Health Promotion* 3:5-16, 1988.
64. **Watson** RR, Darban H. Alcohol and immunosuppression. *Clinical Immunology Newsletter*, 9:129-131, 1988.

63. **Watson RR.** Caffeine: Is it dangerous to health? *American Journal of Health Promotion*, 2:13-22, 1988.
62. Mohs M, Leonard T, **Watson RR.** Interrelationships among alcohol abuse, obesity and Type II Diabetes Mellitus: Focus on Native Americans. *World Review of Nutrition and Dietetics* 56:93-172, 1988.
61. Leonard-Green TK, **Watson RR.** Caffeine and health risk. *Journal of the American Dietetic Association* 88:366-372, 1988.
60. **Watson RR.** Vitamin A and teratogenesis: Recommendations for pregnancy. *Journal of the American Dietetic Association*, 88:364, 1988.
59. **Watson RR.** The very real dangers of caffeine. *Privileged Information*, March 15, 1988.
58. **Watson RR,** Rybski J. Immunological response modification by vitamin A and other retinoids. *Nutrition and Immunology*, A.R. Liss, 77-99, 1988.
57. Yahya M, **Watson RR.** Mini-review. Immunomodulation by morphine and marijuana. *Life Science* 41:2503-2510, 1987.
56. Leonard TK, **Watson RR.** The cardiovascular effects of caffeine. *Nutrition and Heart Disease*. CRC Press, Inc., II: 101-110, 1987.
55. Benedict JA, **Watson RR.** Fat-soluble vitamins and the prevention and treatment of heart disease. *Nutrition and Heart Disease*. CRC Press, Inc., II: 49-56, 1987.
54. Moriguchi S, **Watson RR.** Nutrition, cellular immune functions and cardiovascular disease. *Nutrition and Heart Disease*. CRC Press, Inc., II: 111-118, 1987.
53. Mohs M, Leonard TK, **Watson RR.** The cardiovascular effects of alcohol. *Nutrition and Heart Disease*. CRC Press, Inc., II: 19-48, 1987.
52. Leonard, TK, **Watson RR.** Caffeine, a dietary risk factor. *Journal of the American Dietetic Association* 87:1048-1053, 1987.
51. Leonard, TK. **Watson RR.** Vitamin A and cancer. *Journal of the American Dietetic Association* 86:1730-1740, 1986.
50. Leonard TK, Mohs ME, Ho EE, **Watson RR.** Nutrient intake, cancer causation and prevention. *Progress in Food and Nutrition Science* 10:237-277, 1986.
49. Chandra RJ, **Watson RR.** Nutrition and immunity: Workshop Report, *Proceedings of the International Congress Nutrition XIII*, pps 740-741, 1986.
48. **Watson RR.** Immunological enhancement by fat-soluble vitamins, minerals or trace metals: A factor in cancer prevention. *Cancer Detection Prevention* 9:67-77, 1986.
47. **Watson RR.** Vitamin A and other retinoids: Immunomodulators and cancer prevention agents. *Food Nutrition News* 58:15-17, 1986.
46. **Watson RR,** Mohs M, Sampliner D, Eskelson C, Hartmann B. Diagnosis of alcoholism by biochemical and biological changes. *Alcoholism: Clinical Experimental Research* 10:364-385, 1986.
45. **Watson RR.** Retinoids and vitamin E: Modulators of immune functions and cancer resistance. In: *Vitamins and Cancer-Human Cancer Prevention by Vitamins and Micronutrients*. Humana Press, Inc. pp. 439-451, 1985.
44. Mohs M, Leonard T, **Watson RR.** Selected risk factors for diabetes in Native Americans. *Nutrition Research* 5:1035-1045, 1985.

43. **Watson RR.** Mucosal immune defenses. II. Effects of low and high nutrient intakes. *Immunology Allergy Practice* 7:270-278, 1985.
42. **Watson RR.** Mucosal immune defenses. I. Secretory immunoglobulin A. *Immunology Allergy Practice*, 7:206-211, 1985.
41. Jackson JC, **Watson RR.** Relationship of cancer initiation and growth to effects of nutritional stresses on immune defenses in the aging adult. In: *CRC Handbook of Nutrition in the Aged*, pp. 279-286, 1985.
40. Udipi SA, **Watson RR.** Trace element requirements in the aged. In: *CRC Handbook of Nutrition in the Aged*, 145-156, 1985.
39. Mohs ME, **Watson RR.** Adult protein-caloric malnutrition in developing countries. In: *CRC Handbook of Nutrition in the Aged*, 57-73, 1985.
38. **Watson RR**, Ismail AH. Diet and exercise: Modifiers of stress which change host defenses, longevity, and cancer growth. In: *CRC Handbook of Nutrition in the Aged*, pp. 49-56 (1985).
37. Mohs ME, **Watson RR.** Nutritional assessment for the elderly. In: *CRC Handbook of Nutrition in the Aged*, pp. 7-24 1985.
36. **Watson RR.** Nutritional problems and needs of the aged. In: *CRC Handbook of Nutrition in the Aged*, 1985.
35. **Watson RR.** Modification of humeral and cellular host defense systems by malnutrition in humans. *Arizona Med.* 41:734-739, 1984.
34. **Watson RR**, Hartmann, BR, Eskelson CD. Severe alcohol abuse and cellular immune functions. *Arizona Med.* 41:665-668, 1984.
33. **Watson RR**, Mohs, ME. New approaches to determine requirements for nutrients like zinc and vitamin A with critical roles in lymphocyte functions. *Nutr. Res.* 4:951-955, 1984.
32. **Watson RR.** Vitamin A, C, and E: Cancer prevention agents? *Arizona Med.* 41:671-673, 1984.
31. **Watson RR**, Mohs, M. Determination of nutritional status in aging adults. *Arizona Med.* 41:235-239, 1984.
30. **Watson RR**, Petro TM, Manderino GL. Role of thymosin fraction 5 in host defenses to leukemia in nutritionally stressed mice. In: *Thymic Hormones and Lymphokines: Basic Chemistry and Clinical Applications*, Plenum Press, 463-468, 1984.
29. **Watson RR.** Zinc and the elderly. *Arizona Med.* 41:172-174 (1984).
28. **Watson RR.** Copper biochemistry and nutrition in the aged adult. *Arizona Med.* 41:94-95, 1984.
27. **Watson RR.** Nutritional stresses and altered development of immune responses: Enhancement of longevity, disease resistance and tumor defenses. In: *Nutrition, Disease Resistance, and Immune Function*, pp. 373-384, 1984.
26. **Watson RR.** Regulation of immunological resistance to cancer by beta carotene and retinoids. In: *Nutrition, Disease Resistance, and Immune Function*, pp. 345-355, 1984.
25. **Watson RR.** Alcohol and immune functions. In: *Nutrition, Disease Resistance, and Immune Function*, pp. 313-329, 1984.

24. Van Vleet JF, **Watson RR**. Effects of selenium and vitamin E on resistance to infectious disease. In: *Nutrition, Disease Resistance, and Immune Function*, pp. 299-312, 1984.
23. Manderino GL, **Watson RR**. Role of the thymus gland and thymosin in nutritionally mediated immunosuppression. In: *Nutrition, Disease Resistance, and Immune Function*, pp. 285-298, 1984.
22. **Watson RR**. Stress caused by dietary changes: Corticosteroid production, a partial explanation for immunosuppression in the malnourished. In: *Nutrition, Disease Resistance, and Immune Function*, pp. 273-283, 1984.
21. Listman JB, **Watson RR**. Effect of nutritional stresses on host defense components of milk. In: *Nutrition, Disease Resistance, and Immune Function*, pp. 205-221 (1984).
20. **Watson RR**. IgA synthesis and secretion during malnutrition. In: *Nutrition, Disease Resistance, and Immune Function*, pp. 189-204, 1984.
19. **Watson RR**. Nutritional stresses: Levels of complement proteins and their functions. In: *Nutrition, Disease Resistance, and Immune Function*, pp. 175-188, 1984.
18. Wood C, **Watson RR**. Interrelationships among nutritional status, cellular immunity and cancer. In: *Nutrition, Disease Resistance, and Immune Function*, pp. 53-69, 1984.
17. Petro TM, **Watson RR** and Bhattacharjee, J.K. Immunity to bacterial pathogens in the protein-malnourished host. In: *Nutrition, Disease Resistance, and Immune Function*, pp. 35-52, 1984.
16. **Watson RR**. Nutritional needs for the 21st century. In: *Nutrition, Disease Resistance, and Immune Function*, pp. v-vi, 1984.
15. **Watson RR**. Disease, malnutrition and immunocompetence. In: *Nutrition, Disease Resistance, and Immune Function*, pp. iii-iv, 1984.
14. **Watson RR**, Petro TM. Disease and disease resistance in the nutritionally compromised host. *Critical Reviews Microbiology* 10:297-315, 1984.
13. **Watson RR**. Trace elements in the elderly. *Food Nutrition News*, 55:29-31, 1983
12. **Watson RR**. Nutrition and immunity. *New York State Journal Medicine* 82:772-773, 1982.
11. **Watson RR**. Report of AIN representative for FASEB Public Information Committee. *Nutrition Notes* 6-7, 1982.
10. **Watson RR**. Influence of moderate malnutrition on immunological development, immune responses, and disease resistance. *Proceedings of Texas Human Nutrition Conference (Nutrition in Public Health)*, 1-13, 1981.
9. **Watson RR**. Nutrition and Immunity. *ASDC Journal Dental Children* 48:443-6, 1981
8. **Watson RR**, Safranski D. Dietary restrictions and immune responses in the aged. *CRC-Handbook Immunol Aging*, 125-139, 1981.
7. **Watson RR**. Nutrition and Immunity. *Contemporary Nutrition*, 1981.
6. **Watson RR**. Nutrition, disease resistance, and age. Second Edition. *Source Book of Food and Nutrition*, 1980.
5. **Watson RR**, McMurray, DN. The effects of malnutrition on the secretory and cellular immune processes. *CRC-Critical Rev. Food Science Nutrition*, 12:113-159, 1979.

4. **Watson RR.** Nutrition, disease resistance, and age. *Food Nutrition News*, 51:1-4,1979.
3. **Watson RR, McMurray, D.N.** International centers for medical research: The Colombian connection as viewed by two microbiologists. *American Society Microbiology, News* 11:586-589,1979.
2. **Watson RR.** Identification of microbes by their aminopeptidase substrate specificities. *Methods in Microbiology*, 9:1-14, 1976.
1. **Watson RR, Orenstein NS.** Chemistry and biochemistry of apiose. *Advances Carbohydrate Chemistry Biochemistry*, 31:135-184, 1975.

Peer Reviewed Abstracts

198. Zibadi S, Larson D, **Watson R.** Role of T lymphocytes in leptin-mediated myocardial fibrosis. *Heart Failure Society of America* 2011
197. Zibadi S, Cordova F, Larson D, **Watson R.** Leptin regulation of cardiac remodeling due to obesity. *American Oil Chemists Society, AOCs Annual Meeting Abstracts*, p. 63-4, 2009
196. Zibadi S, Rodewald PJ, Parke D, **Watson RR.** Reduction of cardiovascular risk factors in subjects with type 2 diabetes by Pycnogenol supplementation. *3rd Annual Diabetes Symposium*, 2009
195. **Watson RR.** Dietary supplements made from purple passion fruit peel extract and others containing bioflavonoids attenuate blood pressure in hypertensive humans reducing risk of heart disease. *2nd International Symposium on Human Health Effects of Fruits and Vegetables*, 2007.
194. **Watson RR, Zibadi S, Farid, R.** Dietary supplements made from purple passion fruit peel extract and others containing bioflavonoids attenuate blood pressure in hypertensive humans reducing risk of heart disease. *2nd International Symposium on Human Health Effects of Fruits and Vegetables*, page 92 2007.
193. Zibadi S, Larson DF, **Watson RR.** Bioflavonoid-rich peel extracts: From anti-hypertensive effect to anti-remodeling effect in the heart. *Heart Failure Society of America*, abstract #161, 2006.
192. **Watson RR, Zibadi S, Mirteizi A, Mirheidari M, Rezaleyazdi S, Farid R, Mansouritoghbeh H.** Pycnogenol reduces clinical symptoms of knee osteoarthritis *Annals of Rheumatic Disease The EULAR Journal* pages 410-411, 2006.
191. **Watson RR.** Why asthma and allergy? Environment in causation and dietary supplements in its treatment. *British Society of Ecological Medicine* 2006
190. Baker SH, Sanders SR, Zibadi S, **Watson RR, Baumgard LH.** Effects of conjugated linoleic acid (CLA) on tissue composition parameters in a murine cachexia model. *Experimental Biology* 2006.
189. Zibadi S, **Watson RR.** Antihypertensive effects of purple passion fruit peel extract in rats and humans. *Experimental Biology* page A575, 2006.

188. **Watson RR**, Larson DF. Proteomic analysis of cardiac proteins during alcohol consumption and murine AIDS which yield heart dysfunction. *Alcohol Alcoholism* 40: (suppl.) page i19, 2005.
187. Larson DF, Yu Q, **Watson RR**. The effect of lymphocyte function on cardiac diastolic function. *Journal of Molecular and Cellular Cardiology* 38: page 823, 2005.
186. **Watson RR**, Marchalonis JJ. Treatment of immune dysregulation prevents cardiomyopathy. *Journal of Molecular and Cellular Cardiology* 38: page 855, 2005.
185. **Watson, RR**. Vitamin E moderation of heart disease by cytokine regulation. Hot Topic Symposium Fatty Acids and Other Nutritional Supplements: New Research Making Health Affordable, *American Oil Chemist Society* 3 May 2005.
184. **Watson, RR**. Pycnogenol and other plant extracts are biomodulators, treating hypertension and asthma. *The 10th World Congress on Clinical Nutrition*, page PL1, 2004.
183. Baumgartner L, Zibadi S, **Watson, RR**. Effects of omega-3 fatty acids on composition of aged mice. *Experimental Biology* 2005.
182. Sepulveda RT and **Watson RR**. Microarray analysis and cytokine profile for T-cells activated with the immune regulating TCR V β 8.1 peptide. *Experimental Biology* 2004.
181. Sepulveda RT, **Watson RR**. Host gene regulation during murine AIDS and TCR V β 8.1 peptide therapy. *Experimental Biology* 2003.
180. Slayback DL, Sepulveda RT, **Watson RR**. Dehydroepiandrosterone sulfate restores resistance to coxsackievirus in retrovirus-infected mice. *Experimental Biology* 2003.
179. **Watson RR**, Sepulveda RT. TCR Vbeta 8.1 peptide treatment in Coxsackievirus induced cardiopathology in aged mice. *Experimental Biology* 2003.
178. Farid R, Hosseini S, Pishnam R, **Watson RR**. Pycnogenol in the management of Asthma. *Journal of Allergy and Clinical Immunology* 111: page S139, 2003.
177. Chen Y, McDonagh P, **Watson RR**. Vitamin E attenuates myocardial ischemia-reperfusion injury in murine AIDS. *Experimental Biology* 2002.
176. Montes SG, Li Q, **Watson RR**, Larson DF. The effects of chronic methamphetamine on cardiac contractile function in murine AIDS infected mice. *P6 Ninth Annual cardiovascular minority research supplement awardee session, National Heart, Lung, and Blood Institute*, Anaheim, California. 2001.
175. Sepulveda RT, **Watson RR**. Alcohol consumption during murine AIDS accentuates heart pathology due to Coxsackievirus. *Experimental Biology* 2001 15: page A67 (498.7) 2001.
174. Chen Y, Davis-Gorman G, **Watson RR**, McDonagh PF. Murine AIDS increases coronary microvascular permeability to macromolecules. *Experimental Biology* 2001.
173. Chen Y, Mendoza S, Davis-Gorman G, Cohen Z, Gonzales R, Tuttle H, McDonagh P F, **Watson RR**. The effects of murine retroviral infection on neutrophil activation during chronic alcohol consumption. *Experimental Biology* 2001.
172. Marchalonis JJ and **Watson RR**. T cell receptor VB-derived peptides in Immunomodulation I acquired immunodeficiency. *11th International Congress Immunology* 2001.

171. Zhang J, Shi J, **Watson** RR. Antioxidant supplementation reduced the pro-inflammatory cytokine, IL-6 and lipid peroxidation in old mice, otherwise exacerbated by side-stream cigarette smoke alone. *11th World congress on Tobacco and Health*, page 433, 2000.
170. **Watson** RR, Lee J, Jiang S, McLaughlin L, Saliou C, Packer L. Carotenoid and Pycnogenol supplementation reduce erythema in human skin after simulated solar radiation. *Journal Investigative Dermatology* 114: page 841, 2000.
169. **Watson** RR, Hosseini S, Lee J, O'Neill K, Rohdewald P. Pycnogenol and carotenoids: Reduction of cardiovascular disease risk by lowering DNA damage and platelet aggregation. *1999 SFRR Europe Winter Meeting Bio-flavonoids & Polyphenols in Health & Disease*, page OP36, 1999.
168. Lee J, Sepulveda RT, Jiang S, **Watson** RR. Reduced micronutrient intake accentuates immune dysfunction induced by murine AIDS. *FASEB Journal* 13: page 457 (A590) 1999.
167. Wang S, **Watson** RR, Young RS, Zhang Y, Bradshaw B, and Witten ML. Vitamin E supplementation improves lung dysfunction with systemic cytokine dysregulation. *FASEB Journal* 13:214. page 13 (A240) 1999.
166. Jiang SG, Solkoff D, Adjei AA, Inserra P, Zhang Z, Sepulveda RT, Enriquez FJ, and **Watson** RR. Effects of Dehydroepiandrosterone Sulfate (DHEAS) on aged mice infected with *Cryptosporidium Parvum*. *FASEB Journal* 13: page 483.21, (A640), 1999.
165. Smith MJ, Inserra PF, Bowden RD, Wise JA, Hesslink R Jr, **Watson** RR, O'Neill KL. Supplementation with fruit and vegetable extracts reduces DNA damage in the peripheral lymphocytes of an elderly population. *Molecular Biology and Cell* 9: page 182A, 1998.
164. Inserra P, Jiang S, Solkoff D, Lee J, Zhen Z, Xu M, **Watson** RR. Immune function improves during fruit and vegetable extract supplementation. *Molecular Biology and Cell* 9: page 182A, 1998.
163. **Watson** RR, Lee J, Sepulveda T. Dehydroepiandrosterone (DHEA) and alcohol. Alcoholism: *Clinical Experimental Research* 22 (supplement) page 149A, 1998.
162. Kuzmenko GV, **Watson** RR, Morozova RP, Nikoleko IA, Donchenko GV. Inhibition of lipid oxidation by melatonin. *XIII International Symposium on Drugs Affecting Lipid Metabolism*, page 50, 1998.
161. **Watson** RR, Araghi-Niknam M, Putter M, Rohdewald P, Hosseini S. Inhibition of smoking-induced platelet aggregation by bioflavonoid mixture, Pycnogenol. *American Society of Biochemistry and Molecular Biology* page LB116, 1998.
160. Inserra P, Zhang Z, Ardestani S, Liang B, Araghiniknam M, Jiang S, **Watson** RR. Dehydroepiandrosterone (DHEA) and melatonin (MLT) modulate aberrant cytokine production in old mice. *FASEB Journal* 12: page A311, 1998.
159. Solkoff D, Inserra P, **Watson** RR. Dehydroepiandrosterone (DHEA) and melatonin (MLT) replacement in the aged. *FASEB Journal* 12: page A311, 1998.
158. Zhang Z, **Watson** RR, Araghiniknam M, Liang B, Inserra P, Jiang S. Prevention of immune dysfunction and vitamin E loss by dehydroepiandrosterone (DHEA) and

- melatonin (MLT) supplementation during murine AIDS of young mice. *FASEB Journal* 12: page A311, 1998.
157. Solkoff D, **Watson** RR. Antioxidant supplementation in treatment of immune dysfunction and oxidation. *Undergraduate Research Poster Session on Capital Hill Council on Undergraduate Research*. April 21, 1998.
156. **Watson** RR, Liang B, Inserra P, Zhang Z, Araghiniknam M. Melatonin supplementation for immune and nutritional restoration during aging and murine AIDS. *Journal of the American College of Nutrition* 16: pps 494-5, 1997.
155. Stazzone AM, Kleinosky MT, Herbert A, Mourad AS, **Watson** RR, Murphy JR. Frequency of Giardia and Cryptosporidium infections in Egyptian children as determined conventional and Merilluor methods. *Southwestern Association of Parasitology*. April, 1996.
154. **Watson** RR. Cocaine and murine AIDS: Accentuate immunodepression and loss of disease resistance. *3rd Annual Symposium of AIDS, Drugs of Abuse and the Neuroimmune Axis*. 1996.
153. Liang B, **Watson** RR. Prevention of retrovirus induced immune dysfunction and malnutrition by T cell receptor peptide treatment. *Biology* 96: page A50I (2886) 1996.
152. Liang B, **Watson** RR. Prevention of vitamin E loss during murine AIDS by retarding development of immune dysfunction with TCR V β immunization. *The 9th International Congress Immunology* page 142, 1995.
151. Huang DD, Lopez MC, Wang, Y, **Watson** RR. Alterations of mucosal cell subpopulations in immunocompetent mice during cryptosporidiosis. *Clinical International Immunopathology* 76: page S49, 1995.
150. Marchalonis JJ, Lake DF, Dehghanpisheh, Schluter SF, **Watson** RR, Ampel NM. Induction of IgG autoantibodies to synthetic and recombinant TCR V-region epitopes following retroviral infection in humans and mice. *The 9th International Congress Immunology* page 403, 1995.
149. Marchalonis JJ, Lake DF, Schluter SF, Dehghanpisheh K, **Watson** RR, Ampel NM. Antibodies to TCR in retroviral infection of humans and mice. *FASEB Journal* 9: page A210, 1995.
148. Wang Y, Huang DS, Wood S, **Watson** RR. Use of vitamin E to normalize immune dysfunction during murine AIDS: Therapeutic potential of biological antioxidants. . *Arizona Cancer Center Faculty Science Fair*, page 15, 1994.
147. **Watson** RR, Liang B, Wang JY, Taylor C, Eskelson CD, Mufti S, Ardestani SK, Beckham C. The nutritional status and cancer development in mice with murine AIDS and in severe combined immunodeficiency (SCID) mice. *Arizona Cancer Center Faculty Science Fair*, page 57, 1994.
146. Wang JY, Ardestani SK, Liang B, Beckham C, **Watson** RR. Immunomodulatory therapy during murine AIDS: The roles of anti-IL-4 monoclonal antibody and interferon-gamma. *Arizona Cancer Center Faculty Science Fair*, page 57, 1994.
145. Wang Y, Liang B, **Watson** RR. Alcohol consumption alters nutritional status during murine AIDS. *Alcoholism: Clinical and Experimental Research* 18: page 30A, 1994.

144. Wang Y, **Watson** RR. Alcohol use is more predisposed to immune dysfunction due to retrovirus infection causing murine AIDS. *Alcoholism: Clinical and Experimental Research* 18: page 48A, 1994.
143. Wood S, **Watson** RR. Immune enhancement by high levels of β -carotene and selenium supplementation of aged humans. *FASEB Journal* 8: page A815, 1994.
142. Duran C, Wood S, **Watson** RR. Lipid peroxidation effects on natural killer cell activity. *FASEB Journal* 8: page A949, 1994.
141. Wang Y, Huang DS, Wood S, Liang B, **Watson** RR. Partial normalization of immune function and nutritional status by various levels of vitamin E supplementation during murine AIDS. *FASEB Journal* 8: page A273, 1994.
140. **Watson**, RR. Intestinal parasite resistance during AIDS: Role of alcohol and nutrition in immune dysfunction. *Alcohol* 10:336, 1993.
139. **Watson** RR. Ethanol and vitamin E: Immunomodulatory Nutrients affecting disease and tumor resistance in a murine model of AIDS. *Proceedings of XVth International Congress of Nutrition*, page 11, 1993.
138. Eskelson CD, Odeleye OE, **Watson** RR, Earnest DL, Mufti SI. Modulation of cancer growth by vitamin E and alcohol. *Alcohol Alcoholism suppl.* 2, 253, 1993.
137. Stazzone A, Kleinosky M, Mourad A, **Watson** RR, Murphy JR. Frequency of Giardia and Cryptosporidium infections as detected by conventional and MERIFLUORTM methods. *American Society of Microbiology*, 93: page 28, 1993.
136. **Watson** RR, Darban H, Martinez F, Wood S, Cox TJ. Natural killer cell activity and in vitro IL-6 and IL-8 production after treatment of alcoholism. *Alcoholism: Clinical and Experimental Research* 17: page 507, 1993.
135. Lopez MC, Huang DS, Wang Y, **Watson** RR. Modulation of the intestinal immune system by ethanol: reduced IgA+ and CD8+ numbers. *Alcoholism: Clinical and Experimental Research* 17: page 507, 1993.
134. Wang Y, Huang DS, Giger PT, **Watson** RR. Dietary alcohol aggravates imbalance immune functions induced by LP-BM 5 retrovirus causing murine AIDS (MAIDS). *Alcoholism: Clinical and Experimental Research* 17: page 507, 1993.
133. Huang D, Wang Y, Lung CC, Giger PT, **Watson** RR. Changes in proliferation and cytokine secretion of mesenteric lymph node (MLN) cells during the progression of LP-BM5 murine leukemia virus (MuLV) infection in mice. *FASEB Journal* 7: page 202A 1993.
132. Alak J, Watzl B, Huang D, Darbin H, Jenkins EM, **Watson** RR. A preliminary evaluation of the therapeutic efficacy of pooled bovine colostrum for the control of Cryptosporidium in C57BL/6 MAIDS mice. *FASEB Journal* 7: page 313A 1993
131. Petro TM, **Watson** RR, Huang D. Dietary protein concentration influences development of murine acquired deficiency syndrome. *FASEB Journal* 7: page 203A 1993
130. Wang Y, Huang DS, Giger PT, **Watson** RR. Alteration of production by thymocytes during development of murine AIDS caused by LP-BM5 murine leukemia retrovirus infection. (MuLV), *FASEB Journal* 7: page 130A 1993.

129. Wang Y, Huang DS, Giger PT, **Watson** RR. Alteration of proliferation and cytokine production in the thymus during the development of murine AIDS caused by LP-BM5 retrovirus infection, *FASEB Journal* 7: page A285 1993.
128. Wang Y, Huang DS, Wood S, Lopez MC, Giger P, Murphy L, **Watson** RR. Vitamin E supplementation assists in the restoration of imbalanced immune functions induced by murine L8-BM5 retrovirus causing murine AIDS (MAIDS). *FASEB Journal* 7: page A285 1993.
127. Shahbazian M, Wang Y, Darban H, **Watson** RR. Dietary ethanol and thymosin treatment alter cytokine production and survival of mice after challenge with *Streptococcus pneumoniae*. *FASEB Journal*. 7: page A73 1993.
126. Petro TM, **Watson** RR, Feely DS, Darban H. Murine acquired immune deficiency syndrome suppresses' resistance to *Giardia muris* and Peyer's Patches T cell cytokines. *7th International Congress Mucosal Immunology* 1992.
125. Eskelson CD, Odeleye OE, **Watson** RR, Earnest DL. Modulation of cancer by vitamin E (E) and Alcohol. International Society on Biomedical Research Alcoholism symposium outline and abstracts published in *Alcoholism: Clinical and Experimental Research* 16: page 649, 1992 and in *Alcohol Alcoholism* 27, S1: page 19, 1992.
124. Pirozhkov SV, **Watson** RR, Chen GJ. Ethanol enhances immunosuppression induced by cocaine. International Society on Biomedical Research Alcoholism symposium outline and abstracts published in *Alcoholism: Clinical and Experimental Research* 16: pages 646-647, 1992 and in *Alcohol Alcoholism* 27, S1: page 15, 1992.
123. Martinez F, Abril ER, Watz B, **Watson** RR, Ernest DE. Synthesis and secretion of cytokines and in vitro and in vivo modulation by ethanol (ETOH). International Society on Biomedical Research Alcoholism symposium outline and abstracts published in *Alcoholism: Clinical and Experimental Research* 16: page 646, 1992 and in *Alcohol Alcoholism* 27, S1: page 15, 1992.
122. **Watson** RR, Odeleye O, Eskelson C, Mufti, S. Immunomodulation by alcohol in murine models of AIDS: Esophageal cancer growth. International Society on Biomedical Research Alcoholism symposium outline and abstracts published in *Alcoholism: Clinical and Experimental Research* 16: page 646 1992 and in *Alcohol Alcoholism* 27, page S1:14, 1992.
121. Lopez MC, Stazzone A, **Watson** RR. Alterations in T-cell differentiations in retrovirus infected mice with murine AIDS. *International Immunology Congress*, 1992.
120. **Watson** RR. Effects of nutritional immunomodulation on cancer and AIDS. *Japanese Nutrition and Food Science*, 1992.
119. Pillai, R.K., **Watson** RR. The immunobiology of alcohol. *International Conference on Alcohol, Micronutrients and Cell Function*. Trivandrun, India 24, 1992.
118. Abdel-Fattah, G., Watzl, B., Huang, D. and **Watson** RR. In vitro effects of beta-carotene on cytokine secretion by human peripheral blood mononuclear cells (PBMC). *FASEB Journal* 5: page A1324, 1991.

117. Odeleye, O., **Watson** RR, Eskelson, C.D. and Odeleye, A. Synergistic hepatotoxic effects of ethanol on cocaine metabolism and lipid peroxidation. *FASEB Journal* 5: page A1083 1991.
116. **Watson** RR, Huang, D.S. and Lopez, M.C. Effect of canthaxanthin on the in vitro growth of three murine tumor and NIH-3T3 cell lines. *FASEB Journal* 5: page A929, 1991.
115. Darban, H., Huang, D. and **Watson** RR. Murine model of AIDS: Effects of dietary alcohol on LP-BM5 infected mice challenged with *Streptococcus pneumoniae*. *FASEB Journal* 5: page A567, 1991.
114. Abril, E., Watzl, B., Seather, M., **Watson** RR and Earnest, D. Effect of chronic ethanol administration on Kupffer cell production of tumor necrosis factor mRNA. *Clinical Research*, 1991.
113. McCuskey RS, Egushi H, McCuskey PA, Krasovich MA, Watzl B, **Watson** RR. Long-term exposure to cocaine in combination with ethanol elicits fibrosis, necrosis, and microvascular dysfunction in murine liver. *American Gastrointestinal Association* 1991.
112. Chen GJ, Martinez F, Poet T, Pillai RK, Erickson J, **Watson** RR. Drug abuse and effects on mitogen-stimulated release of gamma IFN, IL-2 and plasma levels of soluble IL-2R. *Lymphokine Research*. 9: page 604, 1990.
111. Watzl, B., Soliman, G. and **Watson** RR. Stimulation of IFN-gamma and suppression of IL-2 secretion of human leukocytes by morphine (MOR) applied in vitro. *Lymphokine Research*. 9: page 606, 1990.
110. **Watson** RR, Abdel-Fattah G, Scuderi P, Watzl B. Modulation of IL-1/alpha and TNF alpha secretion of human leukocytes by morphine (MOR) applied in vitro. *Lymphokine Research*. 9: page 599, 1990.
109. Lopez MC, Huang, DS, Colombo LL, Hicks MJ, **Watson** RR. The effect of cocaine, a potent hepatotoxic drug, on the thymus of protein malnourished mice. *Hepatology*, 1990.
108. **Watson** RR, Darban H. Chronic dietary ethanol in mice infected with LP-BM5 murine retrovirus: Alterations in splenic and thymic lymphoid cell numbers. *Alcohol: Clinical Experimental Research* 14: page 381, 1990
107. Darban H, **Watson** RR. *Streptococcus pneumoniae* resistance in C57BL/6 mice infected with a murine retrovirus LP-BM5. *6th International Congress on AIDS*. 1990.
106. Eskelson CD, Odeleye O, **Watson** RR. Development of a mouse model to measure liver toxicity and lymphoid cell numbers with various alcohol intakes. *Alcohol: Clinical Experimental Research* 14: page 287, 1990.
105. Lopez MC, Huang DS, **Watson** RR, Hicks MJ. Murine retroviral infection causing AIDS and morphine treatment in female C57B1/6 mice: Immunomodulation. *6th International Congress on AIDS*. 1990.
104. Watzl B, Abdel-Fattah G, Scuderi P, **Watson** RR. In vitro effect of ethanol (ETOH) on cytokine secretion in human mononuclear leukocytes. *Alcohol: Clinical Experimental Research* 14: page 381, 1990.
103. Huang DS, **Watson** RR. Canthaxanthin, immunomodulation and skin cancer resistance during murine retroviral infection: Model development for alcohol and cocaine cofactor studies. *Drugs of Abuse, Immunity and Immunodeficiency*, 1989.

102. Lopez MC, Huang DS, Watzl B, Hicks M, **Watson RR**. The effect of chronic administration of morphine on normal and malnourished C57BL6 mice. *Drugs of Abuse, Immunity and Immunodeficiency*, 1989.
101. Watzl B, Scuderi P, **Watson RR**. Influence of marijuana components (THC and CBD) on human monoclear cells cytokine secretion in vitro. *Drugs of Abuse, Immunity and Immunodeficiency*, 1989.
100. **Watson RR**. A role of ethanol and other substances of abuse on disease resistance of retrovirally infected mice. *Drugs of Abuse, Immunity and Immunodeficiency*, 1989.
99. **Watson RR**. Effects of immunostimulatory compounds, and immunosuppressive drugs of abuse on pathogenesis due to murine retroviral infection. *Animal Models of AIDS*, page 37, 1989.
98. Ampel NM, Garewal HS, **Watson RR**, Dols CL, Allen, V. Effect of beta-carotene in HIV-infected individuals. *ICAAC*, 1989.
97. **Watson RR**, Garewal HS, Ampel NM, Prabhala RH, Allen V, Dols C, Hicks MJ. Immunostimulatory effects of beta-carotene on T-cell activation markers and NK cells in HIV infected patients. *5th International Conference on AIDS*, page 663, 1989.
96. Darban HR, Huang DS, **Watson RR**. Role of ethanol-induced immunosuppression on disease and tumor resistance of retrovirally infected mice. *5th International Conference on AIDS*, page 643, 1989.
95. Smith TL, **Watson RR**, Darban, HR. Changes in lymphoid membrane fluidity due to ethanol during a retrovirus infection causing murine AIDS. *FASEB Journal*.2: page A631, 1989.
94. Prabhala R, **Watson RR**. In vitro and in vivo effects of carotenoids on immune functions. *FASEB Journal* 2: page A834, 1989.
93. Prabhala, R., Garewal, H., Hicks, M, **Watson RR**. Immune effects of retinoids and carotenoids in humans. *Clinical Research Western Meeting*. 1988.
92. Prabhala RH, Hicks MJ, **Watson RR**. In vitro activation of T-cells and immunomodulation by retinoids and carotenoids. *FASEB Journal* 2: page A845, 1988.
91. Hicks MJ, **Watson RR**, Prabhala RH. Effects of retinol palmitate and canthaxanthin on immune cells in mice with or without ultraviolet irradiation (HVB). *FASEB Journal* 2: page A850, 1988.
90. **Watson RR**, Rybski J, Abril ER. Cytotoxic activity secreted by macrophages from mice fed beta carotene, ethanol and canthaxanthin. *FASEB Journal* 2: page A1872, 1988.
89. Rybski J, Grogan T, **Watson RR**. Alteration of murine skin immunoarchitecture by ultraviolet type-B irradiation and dietary retinyl palmitate. *3rd International Conference on Prevention of Human Cancer: Chemoprevention*, page 21, 1988.
88. Prabhala, R., Garewal, H., Hicks, M. and **Watson RR**. Effects of retinoids and carotenoids on T-lymphocyte subpopulations in humans. *3rd International Conference on Prevention of Human Cancer: Chemoprevention*, page 19, 1988.
87. Abril ER, **Watson RR**, Rybski J. The production of cytotoxic activity by macrophages from mice fed carotenoids, but not retinal. *3rd International Conference on Prevention of Human Cancer: Chemoprevention*, page 33, 1988.

86. Schoen DJ, **Watson RR**. Effects of retinoid and carotenoids on UVB irradiated human monocytes in vitro. *3rd International Conference on Prevention of Human Cancer: Chemoprevention*, page S1-6, 1988.
85. Abril ER, Rybski J, Scuderi P, **Watson RR**. Beta-carotene stimulates the production of a tumor necrosis factor (TNF)-like cytokine from human peripheral blood monocytes (PBM). *Immunobiology* 175: page 107, 1987.
84. Prabhala, RH, Maxey V, Hicks MJ, Garewal H, Leigh S, **Watson RR**. Are CD4 positive T-lymphocytes activated by beta-carotene? *8th International Symposium on Carotenoids*, 1987.
83. Rybski J, Grogan T, Gensler TH, **Watson RR**. Alterations of murine splenic immunoarchitecture by ultraviolet type-B irradiation. *International Academy of Pathology* 56: page 67A, 1987.
82. Szebeni J, Eskelson CD, **Watson RR**, Mufti SI, Sipes G. Inhibition of ethanol induced ethane exhalation by carcinogenic pretreatment of rats 12 months earlier. Mountain States. *Chapter Society of Toxicology*, Oct 1986.
81. **Watson RR**, Benedict J, Mayberry, JC, Moriguchi S. Vitamin C and E supplements, and cellular immune functions in men. *New York Academy of Science*, 1986.
80. Szebeni J, Eskelson C, Sampliner R, Hartmann B, Griffin J, Dormandy T, **Watson RR**. Serum fatty acid pattern including diene-conjugated linoleic acid in chronic alcoholics. *New York Academy of Science*, 1986.
79. **Watson RR**, Rybski J, Volk V. Effects of high dietary vitamin A and E on IgG, IgM and IgA, and anti-Leishmania antibody levels in serum or secretions of mice. *4th Annual Aspen Allergy Conference*, 1986.
78. **Watson RR**. Immunomodulation by ethanol and retinoids. Nutrition Regulation of Immunity and Infection. *Satellite Conference of the Sixth International Congress of Immunology*, page 19, 1986.
77. **Watson RR**. Mucosal Immune defenses of low and high nutrient intakes. Allergy and Foods - *Satellite Conference of the Sixth International Congress of Immunology*, 1986.
76. Abril E, Rybski J, Scuderi P, **Watson RR**. Beta-carotene stimulates mononuclear phagocytes to produce tumor cytotoxic factor. *Sixth International Congress Immunology* 6: page 89, 1986.
75. Prabhala RH, Maxey V, Hicks MJ, **Watson RR**. Effects of retinoids and carotenoids on human T-lymphocyte subpopulations in vitro. *Sixth International Congress Immunology* 6: page 298, 1986.
74. **Watson RR**, Moriguchi S, Gensler H. Immunomodulation and skin cancer reduction by high selenium and vitamin A in mice. *Sixth International Congress Immunology* 6: page 90, 1986.
73. Prabhala R, Maxey V, Hicks, ML, **Watson RR**. Effects of alcohols and ciclopirox alamine, an anti-fungal agent, on peripheral blood lymphocyte functions. *Federation Proceedings* 45: page 570, 1986
72. Abril E, Rybski J, Scuderi P, **Watson RR**. Effects of vitamin A and carotenoids on tumor necrosis factor like activity. *Federation Proceedings* 45: page 270, 1986

71. **Watson RR**, McRae B, Volk V, Grayson J, Peterson, E. High dietary vitamin A: Serum IgG, IgM and IgA, and anti-Leishmania antibody levels in BALB/c and nude mice. *Federation Proceedings* 45: page 710, 1986.
83. Rybski J, Grogan T, Gensler TH, **Watson RR**. Alterations of murine splenic immunoarchitecture by ultraviolet type-B irradiation. *International Academy of Pathology* 56:67A, 1987
82. Szebeni J, Eskelson CD, **Watson RR**, Mufti SI, Sipes G. Inhibition of ethanol induced ethane exhalation by carcinogenic pretreatment of rats 12 months earlier. Mountain States. Chapter Soc. *Toxicology.*, Oct,1986
81. **Watson RR**, Benedict J, Mayberry, JC, Moriguchi S. Vitamin C and E supplements, and cellular immune functions in men. *New York Academy of Sciences*, 1986
80. Szebeni J, Eskelson C, Sampliner R, Hartmann B, Griffin J, Dormandy T, **Watson RR**. Serum fatty acid pattern including diene-conjugated linoleic acid in chronic alcoholics. *New York Academy of Sciences*, 1986
79. **Watson RR**, Rybski J, Volk V. Effects of high dietary vitamin A and E on IgG, IgM and IgA, and anti-Leishmania antibody levels in serum or secretions of mice. 4th *Annual Aspen Allergy Conference*, 1986
78. **Watson RR**. Immunomodulation by ethanol and retinoids. Nutrition Regulation of Immunity and Infection *Satellite Conference of the Sixth International Congress of Immunology*, page 19, 1986
77. **Watson RR**. Mucosal Immune defences of low and high nutrient intakes. Allergy and Foods - Sattelite Conference of the 6th International Congress of Immunology, 1986
76. Abril E, Rybski J, Scuderi P, **Watson RR**. Beta-carotene stimulates mononuclear phagocytes to produce tumor cytotoxic factor. *Sixth International Congress of Immunology*, 6:89, 1986
75. Prabhala RH, Maxey V, Hicks MJ, **Watson RR**. Effects of retinoids and carotenoids on human T-lymphocyte subpopulations in vitro. *Sixth International Congress of Immunology*. 6:298, 1986
74. **Watson RR**, Moriguchi S, Gensler H. Immunomodulation and skin cancer reduction by high selenium and vitamin A in mice. *Sixth International Congress of Immunology*, 6:90, 1986
73. Prabhala R, Maxey V, Hicks, ML, **Watson RR**. Effects of alcohols and ciclopirox alamine, an anti-fungal agent, on peripheral blood lymphocyte functions. *Federation Proceedings*, 45:570, 1986
72. Abril E, Rybski J, Scuderi P, **Watson RR**. Effects of vitamin A and carotenoids on tumor necrosis factor like activity. *Federation Proceedings*, 45:270, 1986
71. **Watson RR**, McRae B, Volk V, Grayson J, Peterson, E. High dietary vitamin A: Serum IgG, IgM and IgA, and anti-Leishmania antibody levels in BALB/c and nude mice. *Federation Proceedings*, 45:710, 1986
70. **Watson RR**, Bregman M, Moriguchi S. Enhancement of macrophage but not NK functions by deficient and high retinyl palmitate diets in nude mice. *Cancer Diet. Prev.* 8:580, 1985

69. **Watson RR**, Sipes G, Mufti S, Moriguchi S. Alteration of T-lymphocyte and phagocytic functions against tumor cells in rats fed dietary alcohol. *Cancer Diet. Prev.* 8:558, 1985
68. **Watson RR**, Hartmann B, Moriguchi S. Modulation of cellular immune functions by alcohol in vitro and in vivo: Possible roles in cancer and diagnoses of alcoholism. *Cancer Diet. Prev.* 8:556, 1985
67. **Watson RR**, Mayberry C. Selenium and in vitro cellular immune functions. International Congress of Nutrition, XIII:77, 1985
66. **Watson RR**, Moriguchi S. Macrophage and NK lysis of tumor cells: Effects of in vitro incubation with retinoids. *International Congress of Nutrition*, XIII:144, 1985
65. Moriguchi S, **Watson RR**, Gensler HL, Bowden GT. Effect of retinyl palmitate, 13-cis retinoic acid and selenium on cellular immune functions during skin tumorigenesis in mice. *International Congress of Nutrition*, XIII:145, 1985
64. **Watson RR**, Eskelson C, McRae B, Moriguchi S, Tobin L. Diagnosis of alcohol abuse by in vitro and in vivo modification of T-lymphocyte functions. *International Congress of Nutrition*. XIII:76, 1985
63. **Watson RR**. Chemoprevention of cancer in mice: Enhancement of macrophage, lymphocyte functions, and IL-1 production by high vitamin intake. *Journal of Leukocyte Biology*. 37:751-752, 1985
62. Gensler H, Werner L, **Watson RR**, Bowden GT. Effects of dietary retinoids on mouse skin tumor promotion induced by 12-O-Tetradecanoyl-phorbol-13-acetate *Proceedings of the American Association for Cancer Research*. 26:132, 1985
61. **Watson RR**, Mayberry C, McRae B, Moriguchi S, Tobin L. In vitro modification of T-lymphocyte functions by ethanol, acetic acid and acetyldehyde. *Federation Proceedings*. 44:1266, 1985
60. Moriguchi S, Jackson JC, **Watson RR**. In vitro effects of retinoids on human T-lymphocyte functions. *Federation Proceedings*, 44:774, 1985
59. Moriguchi S, **Watson RR**. Effect of high vitamin A diets on cellular immune functions in mice. *Japanese Food & Nutrition Association*, 1985, English Translation
58. **Watson RR**, Moriguchi S. Enhancement of macrophage functions and tumor cell killing in vitro and in vivo by retinal. *American Society for Microbiology*. 1985
57. **Watson RR**, Moriguchi S. High dietary vitamin A: Modification of Mouse Macrophage Functions. *2nd International Conference on the Modulation and Mediation of Cancer by Vitamins*, 1985
56. McRae B, Tobin L, Mayberry C, **Watson RR**. In vitro effects of selenium on lymphocytes. *2nd International Conference on the Modulation and Mediation of Cancer of Vitamins*, 1985
55. Moriguchi S, and **Watson RR**. In vitro effects of retinoids on human lymphocytes and monocytes. *2nd International Conference on the Modulation and Mediation of Cancer of Vitamins*, 1985
54. **Watson RR**, Moriguchi S. Effects of in vitro selenium or retinoid on NK activity and growth of K-562 tumor cells, *Cancer Detection and Prevention* 7:425 (1984).

53. **Watson RR.** Modulation in humans of cellular immune functions by high 13-cis retinoic acid, retinoids or carotenes. *Cancer Detection and Prevention* 7:422, 1984
52. **Watson RR, McMurray DN** Changes in composition of tears of protein or energy malnourished children *International Tear Film Symposium, 1984*
51. **Watson RR.** Effects on marginal and severe protein malnutrition on secretory IgA in tears in guinea pigs infected with Guinea Pig Inclusion Conjunctivitis. *International Tear Film Symposium. 1984)*
50. **Watson RR.** Vitamin A and E, and selenium: Role in cancer prevention and immunoalteration. *The American Dietetic Association* 67:1984
49. **Watson RR, Moriguchi S.** Chemoprevention of cancer by retinoids: Modulation of cellular immune functions. *Conference on Immunity to Cancer*, p. 20, 1984
48. **Watson RR.** Determination of ideal intake of vitamins by optimization of cellular immune functions and anticancer defenses. *Wallace Genetics Conference* 3-4:1984
47. **Watson RR, Jackson JC, Loescher LJ, Hicks MJ.** 13-*cis* retinoic acid and cellular immune functions in normal adults and mycosis fungoides patients. *Federation Proceedings.* 43:951, 1984
46. **Watson RR, Hicks M, Alberts D.** Effects of 13-*cis* retinoic acid on cellular immune functions in normal adults. *American Aging Association Annual Meeting* 13:12, 1983
45. **Watson RR, Petro, TM.** Thymosin treatment in moderately protein malnourished mice. *Symposium on Thymic Hormones and Lymphokines, 1983*
44. **Watson RR, Petro TM Ismail AH.** Dietary regulation of prostaglandin production by lymphocytes. *Federation Proceedings.* 42:2092, 1983
43. **Watson RR and Petro, TM.** Thymosin treatment: Effects on resistance to L-1210 mouse leukemia cells and cellular immune function in mice fed high fat diets. *Federation Proceedings.* 42:802, 1983
42. Petro, TM, **Watson RR.** Dietary protein stresses and T-suppressor cell activities in mice. *Federation Proceedings.* 42:717, 1983
41. Ismail AH, Petro, TM, **Watson RR.** Dietary supplementation with vitamin E and C in fit and non-fit adults: Biochemical and immunological changes. *Federation Proceedings.* 42:335, 1983
40. **Watson RR, Petro TM.** Resistance to L-1210 mouse leukemia cells in moderately protein malnourished BAIB/c mice treated in vivo with Thymosin Fraction Five. *Federation Proceedings.* 41:357, 1982
39. Petro TM, **Watson RR.** Cell mediated immune system of moderately malnourished young and aged mice treated in vivo with thymosin fraction V. *Federation Proceedings;* 41:340, 1982
38. Reyes MA, Saravia NA, McMurray DN, **Watson RR.** Effect of mild and moderate malnutrition on total and allergen-specific IgE in atopic children. *12th International. Congress. Nutrition., 1981*
37. **Watson RR, Lim, T., Putt, N.S., Safranski, D.V.** Amer. Assoc. Lab. Animal Sci. 31: (1980). Enhancement of antitumor cellular immune defenses by dietary vitamin E

36. **Watson RR**, Putt NJ, Safranski DW. Moderate protein deficiency in mice caused retarded development of adult levels of intestinal secretory IgA. *4th International Congress on Immunology*, 1980
35. Reyes MA, **Watson RR**, Saravia N, McMurray DN. Immediate hypersensitivity in moderately protein undernourished, atopic children. *Federation Proceedings* 39:1153, 1980
34. **Watson RR**, Safranski D, Putt, N. Delayed maturation of intestinal secretory IgA and splenic cellular immunity caused by moderate protein deficiency. *Federation Proceedings*, 39:1150, 1980
33. Reyes MA, McMurray D, **Watson RR**. Cambios hematologicos y bioquimicos en el desnutrido y despues de renutricion: Hematological and biochemical changes in the malnourished and after re-nutrition. *12th Congress Colombiano de Pediatria*, 1979
32. Haffer K, **Watson RR**. Protein restriction: Effects on cell-mediated immune functions in young and adult BALB/c mice. *Journal for Nutrition*. 109:XXV; 1979
31. Haffer K, **Watson RR**, Freeman MJ. Increase in antibody dependent lymphocyte-mediated cytotoxicity with age in BALB/c mice. *Federation Proceedings*. 38:926, 1979
30. Reyes MA, McMurray DN, **Watson RR**. Impact of short-term dietary reconstitution on long-term morbidity in severely malnourished children. *Federation Proceedings*.. 38:613, 1979
29. McMurray DN, **Watson RR**, Reyes MA. Humeral, secretory and cell-mediated immune responses during the year following re-nutrition of severely malnourished children. *Federation Proceedings*. 38:613, 1979
28. Peterson B, **Watson RR**. Effect of protein malnutrition on individual components of complement. *Federation Proceedings*. 27:1457, 1978
27. Parikh DK, **Watson RR**. Synthesis, antiviral and immunosuppressive activity of uracil nucleoside analogs containing D-Apio-L-furanose. *American Association Cancer Research*. 1978
26. Reyes MA, **Watson RR**, McMurray DN. Nutrition and infection at the hospital and at home: Clinical biochemical and hematological changes during re-nutrition. *11th International Congress of Nutrition, Brazil*, 1978
25. **Watson RR**, McMurray, DN, Reyes, MA, Martin PN. Concentration changes in secretory IgA and free secretory component in protein malnourished Colombia children during re-nutrition. *11th International Congress of Nutrition, Brazil*, 1978
24. **Watson RR**, McMurray, DN, Reyes, MA. Effect of high dietary protein on humeral and cellular immune responses in hospitalized, severely malnourished Colombian children. *11th International Congress of Nutrition, Brazil*, 1978
23. McMurray DN, **Watson RR**, Reyes MA. Cell mediated immune responses in severely malnourished children during and following re-nutrition. *Federation Proceeding*. 37:355, 1978
22. **Watson RR**, McMurray DN, Reyes MA, Martin, P. Secretory IgA and free secretory component concentration changes with age and nutritional status of malnourished Colombian children. *Federation Proceeding*. 37:886, 1978

21. **Watson RR**, Horton, RG, Clinton, JM. Effects of marginal and severe protein malnutrition on cellular immunity and secretory IgA in guinea pigs. *Proc. West Hemisph. Nutri. Cong. V., American Medical Association*, p. 410, 1978
20. **Watson RR**, McMurray DM, Reyes MA. Responses of S-IgA and delayed hypersensitivity during nutritional restoration in severely malnourished Colombian children. *Proc. West Hemisph. Nutrition Cong. V., American Medical Association*. pp. 406-407, 1978.
19. McMurray DN, Reyes MA. **Watson RR**. Secretory immunoglobulins and enzymes in severely malnourished Colombian children during nutritional restoration. *Federation Proceedings*. 36:1171, 1977.
18. **Watson RR**, Horton RG, Clinton JM. Suppression of secretory IgA antibodies in protein malnourished guinea pigs following a chlamydial eye and vaginal infection. *Federation Proceedings*. 36:1251, 1977.
17. **Watson RR**, McMurray DN, Reyes MA. La desnutricion y sus efectos sobre la amilasa salivar e IgA secretory en ninos Colombianos. (Malnutrition and its effects on salivary amylase and secretory IgA in Colombian children.) 4th *Latin-American Congress of Parasitologia*, 1976.
16. McMurray LN, Reyes MA, **Watson RR**. Inmunidad secretory humoral en ninos desnutridos durante su recuperacion nutricional. (Secretory and humoral immunity in malnourished children during their nutritional recuperation). 4th *Latin-American Congress of Parasitologia*, 1976.
15. Reyes MA, Tye JG, **Watson RR**. Effects of protein malnutrition on secretory enzymes and immunoglobulins of Colombian children. *Federation Proceedings*. 35:261, 1976.
14. **Watson RR**, Selmici MA. Effects of protein malnutrition on amylase, aminopeptidase and secretory immunoglobulins in rat saliva. *Federation Proceedings*. 5:257, 1976.
13. McMurray DN, Rey V, Humberto X, Cassazza, LJ, **Watson RR**. Fed Influence of malnutrition on secretory immunity in children. *Proceedings*. 35:588, 1976.
12. Clinton JM, Horton GR, Lovett GW, **Watson RR**. Concentration changes in vaginal enzymes and S-IgA following a vaginal chlamydial infection in normal and malnourished guinea pigs, *Federation Proceedings*. 35:739, 1976.
11. **Watson RR**, Perrine S. Differentiation of several *Neisseria* species of human origin by their aminopeptidase(s) substrate specificity. *Annual Meeting of the American Society for Microbiology*, p. 39, 1975.
10. **Watson RR**, Wallis JO. Development with age of IgA, IgG, albumin, lysozyme and total protein in children's tears. *Federation Proceedings*. 34:1032, 1975.
9. **Watson RR**, Murray ES. Development of secretory IgA antibodies in eye secretions following vaginal infection with guinea pig inclusion conjunctivitis organism. *Federation Proceedings*. 33:763, 1974.
8. **Watson RR**, Lee KL. Purification of aminopeptidases isolated from *Histoplasma capsulatum*. *Annual Meeting of the American Society of Microbiology*, 1974.

7. **Watson RR**, Murray ES, Thompson SE. Studies transplacentally and passively transferred antibody in resistance to eye infection by a chlamydial agent, guinea pig inclusion conjunctivitis. *Federation Proceedings*. 32:1029, 1973.
6. Lee, KL, **Watson RR**, Reca ME. Identification of human pathogenic yeasts by the specificities of their aminopeptidase(s). *Annual Meeting of the Society of Microbiology*, p. 134, 1972.
5. **Watson RR**, Modabber FZ, MacDonald AB, Murray ES. Presence and duration of delayed hypersensitivity to guinea pig inclusion conjunctivitis in immune guinea pigs *Annual Meeting of the American of Microbiology*, p. 210, 1972.
4. **Watson RR**, Perrine S. Identical substrate specificities of animopeptidase(s) in colony type 1, 3 and 4 of *Neisseria gonorrhoeae*: Evidence that only minor strain variations may exist. *Neisseral Treponema Scientific Memoranda*, 1972.
3. Kindel, PK, Gustine DL, **Watson RR**. Purification and properties of UDP-D-glucuronic acid cyclase from *Lemna minor*. *Federation Proceedings*. 30: 117, 1971.
2. **Watson RR**, Kindel PK. Enzymatic synthesis of apian from UDP-D-adipose¹⁴ C and O-alpha-glycopyranosyl (1-7)-Apigenin. *Plan Physiology.*, 46S: 28, 1970.
1. Kindel PK, Gustine DL, **Watson RR**. Enzymatic synthesis of UDP-D adipose ¹⁴C. *Plant Physiology.*, 46S: 27, 1970.

Series Edited

- Preedy VR, **Watson RR**. Annual Reviews in Food and Nutrition: Toxic and Pathological Aspects. Taylor & Francis, London UK, 2002-2005
- **Watson RR**, Wolinsky I. Methods in Nutrition Research 1997-CRC Press, Inc., Boca Ratón, FL.

Book and Film Reviews

39. **Watson RR**, Watson AA “Velma Gratch and the Way Cool Butterfly” in *Science Books and Films 45*: 2009
38. **Watson RR**. “Molecular Gastronomy, exploring the science of flavor” In *Science Books & Films*. 2008
37. Watson AA, **Watson RR**. “Albert Einstein.” In *Science Books & Films*. 32:40, 2004
36. **Watson RR**. “The Oxford Book of Health Foods” In *Science Books & Films* 40:3233, 2004
35. Watson AA, **Watson RR**. Ducks have Ducklings” In *Science Books & Films* 38:567, 2002
34. **Watson RR**. Manifold: Origin In: *Science Books and Films*. 38:455, 2002
33. **Watson RR**. “The History of Science Fiction”. *Science Books & Films* 38:322, 2002
32. **Watson RR**. The Influenza Pandemic of 1918. *Science Books and Films* 2000

31. **Watson RR.** Herbs for the Mind. What science tells us about nature's remedies for depression, stress, memory loss and insomnia. Science Books & Films 37:62, 2001
30. **Watson R.R.** "H.I.D.E. and S.E.E.K.I.: Preventing the Spread of Infections. Science Books & Films 36: 186, July/August 2000
29. **Watson RR.** "Understanding Anemia." Reviewed in Science Books and Films, 34:206, 1998
28. **Watson RR, Watson AA.** "Understanding Herpes." Reviewed in Science Books and Films 34:206, 1998
27. **Watson RR.** "Basic Issues of the History of Nutrition" reviewed in Science Books and Films 33:10, 1997
26. **Watson RR, Watson AA.** "Microbiology High-school Science Fair Experiments" Reviewed in Science Books and Films 31: 1995
25. **Watson RR.** "Tuberculosis Pathogenesis, Protection and Control" reviewed in Science Books and Films 30:231, 1994
24. **Watson RR.** "Retinoids in Oncology" reviewed in Journal Optimal Nutrition 3:98-99, 1994
23. **Watson RR.** "Environmental Poisons in Our Food" Reviewed in Science Books and Films 30:37, 1994
22. **Watson RR.** "Allergies," Reviewed in Science Books and Films 28:181, 1992
21. **Watson RR.** "Improving America's Diet and Health," Reviewed in Science Books and Films 27:166, 1991
20. **Watson RR.** "Encyclopedia of Good Health, Maintaining Good Health," Reviewed in Science Books and Films 25:136, 1990
19. **Watson RR.** "Understanding AIDS: What teens need to know:" reviewed in Science Books and Films 25:105-106, 1989
18. **Watson RR.** "Fear of Fat: Dieting and Eating Disorders" (Film) reviewed in Science Books and Films 24:118 , 1988
17. **Watson RR.** "STD Blues" (Film) reviewed in Science Books and Films 23:322 , 1988
16. **Watson RR.** "Alcohol and the Cell" (Book) reviewed in J. Amer. Diet. Assoc. 88:640, 1988
15. **Watson RR.** "The AIDS Education Video Series; AIDS and The Educator; AIDS and Sexual Relationships; AIDS and The Gay Lifestyle; AIDS-Related Condition: Living with Chronic Disease" (Film) reviewed in Science Books and Films 23:328, 1988
14. **Watson RR.** "When Wonder Drugs Don't Work" (Film), reviewed in Science Books and Films 22:261, 1987
13. **Watson RR.** "Biology at War: the Mystery of the Yellow Rain" (Film), reviewed in Science Books and Films 21:176 (1986)
12. **Watson RR.** "Immunology: An Overview" (Film), reviewed in Science Books and Films 20:233, 1985
11. **Watson RR.** "Eating Foods with Adequate Starch and Fiber: Part 2" (Film), reviewed in Science Books and Films 20:112, 1984
10. **Watson RR.** "Nutrition, The Aged, and Society" reviewed in The Gerontologist (1984)

9. **Watson RR.** "Weight Control" (Film), reviewed in Science Books and Films 19:176, 1984
8. **Watson RR** "Food for Thought: Milk and Milk Products" (Film), reviewed in Science Books and Films 19:53, 1983
7. **Watson RR.** "Food for Thought: Breads and Cereals" (Film), reviewed in Science Books and Films 19:52 (1983)
6. **Watson RR,** Wunderlick RC, Jr. "Sugar and Your Health," reviewed in Science Books and Films 19:51, 1983
5. **Watson RR.** "Fat in the Fire" (Film), reviewed in Science Books and Films 18:162-163, 1983
4. **Watson RR,** Isliker H, Schurch B. "The Impact of Malnutrition on Immune Defense in Parasitic Infestation" reviewed in Am. J. Trop. Med. Hyg. 31:864, 1982
3. **Watson RR,** Phillips M, Baetz A. "Diet and Resistance to Disease" In Vol. 135 Ad. Exp. Med. Biol. reviewed in J. Nutr. Ed., 1982
2. **Watson RR,** Cumming C, Newman V. "Eater's guide: Nutrition basics for Busy People" reviewed in Science Books and Films 17:264, 1982
1. **Watson RR,** Calloway DH, Carpenter KO "Nutrition and Health" reviewed in Science Books and Films 17:83, 198

Technical Reports

Tulane University International Center for Medical Research published the following reports in books (Sponsored by NIH):

5. Reyes MA, Saravia N, McMurray D, **Watson RR.** Hypersensitivity and malnutrition: Immunological changes in children with moderate malnutrition and asthma. 1979:165-170
4. **Watson RR,** Reyes MA, McMurray DN. Secretory, humoral and cell-mediated immunity in malnourished children during nutritional recuperation and 10 months following restoration. 1978:165-172
3. Reyes MA, **Watson RR,** McMurray DN. Secretory, humoral and cell-mediated immunity in malnourished children during nutritional recuperation. 1977:133-143
2. Reyes MA, **Watson RR,** McMurray DN. Secretory, humoral and cell-mediated immunity in malnourished children during nutritional recuperation. 1976:113-122
1. Reyes MA, McMurray DN, Tye JG, **Watson RR.** Effects of protein malnutrition on secretory enzymes and immunoglobulins of Colombian children. 1976:193-196, 185-186

Scholarly Presentations

- 2016** Plenary lecture. Polyphenols passion fruit peel extract in the treatment of asthma, hypertension and arthritis in humans. 2016 KFN International Symposium and Annual Meeting Food and Nutrition for Future: Globalization to Technology Breakout. 1 Nov, Jeju, Korea
- 2012** Reduction of Cardiovascular Risk Factors in Subjects with Type 2 Diabetes by Pycnogenol Supplementation, Brigham Young University, Provo, 20 September
- 2010** Session chair *Cost Effectiveness of Natural Products* in 5th Annual Scientific Symposium, Bloomingdale, IL 18 Nov
- 2010** Pycnogenol treatment of risk factors in diabetes and heart disease: Cost benefits in *Cost Effectiveness of Natural Products* in 5th Annual Scientific Symposium of NHRI, Bloomingdale, IL 18 Nov
- 2010** Dietary supplements in health promotion (Pycnogenol) Arizona State Association of Physician Assistants 2010 Fall Primary Care Conference, Tucson, AZ
- 2010** British Isles Research 1800-2010 Internet use of government records (given twice) 2010 Family History Harvest, Tucson, AZ
- 2009** **Plant bark extracts in treatment of diabetes and diastolic dysfunction.** Integrative Medicine Grand Rounds 5 Nov University Medical Center
- 2009** Pycnogenol and diabetes treatment. 3rd Annual Diabetes Symposium, Scottsdale, AZ
- 2008** Pycnogenol and diabetes in heart failure, Frontiers in Medical Research seminar series University of Arizona School of Medicine
- 2008** Dietary supplement (Pycnogenol) reduces hypertension, symptoms of diabetes and osteoarthritis University of Sonora Medical School, Hermosillo, Mexico 31 Oct
- 2008** Bioflavonoids (Pycnogenol) in reductions of hypertension during treatment of diabetics to reduce their use of pharmaceutical drugs. Supplside West Conference, Las Vegas, NV 23 Oct
- 2008** Wild-type food in health promotion and disease prevention: The Columbus concept. 9 Oct 2008 Geneva, Switzerland
- 2007** Complementary and alternative medicine. Mel and Enid Zuckerman College of Public Health 6 March (22 attendees).
- 2007** Bioflavonoids in pine (Pycnogenol) bark extract for the treatment of hypertension and heart failure 30 April Supply-side East International Trade Show and Conference, Secaucus, New Jersey (90 attendees).
- 2007** Pycnogenol reduces symptoms of knee osteoarthritis Horphag Research 5th Regional Meeting, Conrad Bali Resort and Spa, Bali, Indonesia (85 attendees).
- 2007** Bioflavonoids as anti-hypertensive and cardioprotective agents. 2nd International Symposium on Human Health Effects of Fruits and Vegetables 9-13 October.
- 2006** Liquor license application - High Noon Saloon protest. City Council, Tucson, Arizona 17 May (86 attendees).
- 2006** Advisor to Texas A & M University Vegetable and Fruit Improvement Center - Graded posters at conference.
- 2006** Role of a Panel Manager of research grants for CSREES-USDA in Washington D.C. (40 attendees).

- 2006** British Isles Research Resources. Family History Fair 26 October. Tucson, Arizona (35 attendees).
- 2006** Controversy over the role of natural vitamin E in reducing leading causes of death - Symposium chair, American Oil Chemists Society, Hot topics symposium, 2 May St. Louis, Missouri. (145 attendees).
- 2005** Making Health Affordable: Symposium on Fatty Acids and Other Nutritional Supplements. 3 May Salt Lake City, Utah at American Oil Chemists Society meeting. (120 attendees).
- 2005** Treatment of immune dysregulation prevents cardiomyopathy. 27th Annual ISHR American Section Meeting, New Orleans, Louisiana, 14 May (15 attendees).
- 2005** Antioxidants and immunomodulators: Treatment of aging and AIDS in mice. Kemin Lectures for the advancement of sciences. 3 August Des Moines, Iowa (20 attendees).
- 2005** Antioxidant vitamins and bioflavoids: Prevention of cardiac damage and heart dysfunction. 4th International Congress on the Columbus Concept 13 October, Beijing, China (120 attendees).
- 2005** British Isles Research Resources. Family History Fair 25 October. Tucson, Arizona (30 attendees).
- 2004** Plenary lecture at The 10th World Congress on Clinical Nutrition, Pycnogenol and other plant extracts are biomodulators, treating hypertension and asthma 3-5 December, Phuket, Thailand (45 attendees).
- 2004** Bioflavonoids and Heart Disease. 95th American Oil Chemists Society, Cincinnati, Ohio (110 attendees).
- 2003** Lecture in Advanced Nutritional Sciences, Animal Models in Nutrition Research September University of Arizona (12 attendees).
- 2003** Substance Abuse Greater Tucson Leadership Program Healthcare Issue Day (25 attendees).
- 2002** Supplside West Supplements and Health Promotion Las Vegas, Nevada 4 December (55 attendees).
- 2001** Research Program in Dr. Watson's lab. Health Promotion Division meeting University of Arizona College of Public Health, Tucson, Arizona, 28 February (20 attendees).
- 2001** Animals and immunology research, members of the Institutional Animal Care and Use Committee, University of Arizona, Tucson, Arizona, 4 April (15 attendees).
- 2001** Prevention of oxidative-inflammatory disease in mouse AIDS and humans: Pine bark extract and other nutraceuticals. Plant Sciences Department, Arizona State University, Tempe, Arizona, 7 June (35 attendees).
- 2000** Science of Juice Plus (part 1). Dr. Ronald Watson. Memphis Fall Leadership Conference and Science of Juice Plus® Symposium Vegetable and vegetable extract. NSA annual meeting, Memphis, Tennessee, 19 October (1850 attendees).
- 2000** Immunomodulation of retroviral cardiopathology. Grantees' meeting- NHLBI, Bethesda, Maryland 22 September (30 attendees).

- 2000** Health promotion in aging and AIDS: Immune regulation by antioxidant and pycnogenol supplementation. Dept. Nutrition and Food Science, Brigham Young University, Provo, Utah, 13 October (15 attendees).
- 2000** Antioxidants and Health. Health Realities Conference, Colorado Springs, Colorado, 14 September (6 attendees).
- 1999** DHEA seminar in 38th Annual Tucson Seminar in Obstetrics and Gynecology, 16 January (40 attendees).
- 1999** Environmental Tobacco Smoke: Risks. Environmental Tobacco Smoke Conference, Sierra Vista, Arizona 8 July (11 attendees).
- 1999** Antioxidant treatment of murine AIDS during accentuation by alcohol and cocaine. Research Institute on Addictions, Buffalo, NY, 12 July (10 attendees).
- 1999** Drugs of abuse and mouse AIDS: Synergism in cardiovascular disease? Summer Institute on Medical Ignorance, University of Arizona, Tucson, Arizona 15 July (45 attendees).
- 1999** Murine AIDS: Immune dysregulation promotes cardiopathology. Tucson Veterans' Administration Medical Center, Tucson, Arizona, 2 September (40 attendees).
- 1999** Research Service, Beltsville Human Nutrition Center, 5 October (15 attendees).
- 1999** Immunomodulation of retroviral cardiopathology. Grantees' meeting for the HIF RFA Programs, 6 October (20 attendees).
- 1998** Testimony on second hand smoke to Pima County Board of Health (50 attendees).
- 1998** Discussant at Seventeenth Ross Research Conference on Medical Issues: Physiologically-active Food Components: Their Role in Optimizing Health and Aging, San Diego, California, 22-23 February (22 attendees).
- 1998** Antioxidants to treat aging and AIDS. Arizona Prevention Center and Public Health Program, 7 April (20 attendees).
- 1998** Hormones, antioxidants and immune defenses against cancer. Colorado Springs, CO. Wallace Research Conference, 5 June (6 attendees).
- 1998** Lessons learned from mouse model of AIDS. Summer Institute on Medical Ignorance, University of Arizona, 23 June (50 attendees).
- 1998** Symposium chair Alcohol and Hormone Dysfunction at the International Society of Biomedical Research on Alcoholism, Copenhagen, Denmark, 30 June (120 attendees).
- 1998** Special review committee of National Heart, Lung and Blood Institute Endothelial Dysfunction in HIV infection. Gatersburg, Maryland. 9-10 June (15 attendees).
- 1998** Media briefing, Washington Press Building, Pycnogenol in inhibition of smoking-induced platelet aggregation, Washington DC, 19 May (25 attendees).
- 1998** Seminar on Pycnogenol, Grand Hyatt Hotel, Washington, D.C. 18 May (60 attendees).
- 1998** Synergisms among nutrient deficiencies and immune dysfunction in murine AIDS: Role of cocaine, alcohol and DHEA supplementation. NIH, Bethesda, Maryland, Conference: Metabolic, Endocrine, and Gastrointestinal Disorders in Drug Abuse and HIV/AIDS 3-4 August (25 attendees).

- 1998** Nutrition and AIDS Flandrau Science Center & Planetarium, University of Arizona, 18 November (25 attendees).
- 1997** DHEA and Melatonin supplementation in models of aging and AIDS. Arizona Prevention Center. 7 January (20 attendees).
- 1997** Pycnogenol: Biological effects. Satellite symposium (Henkel) San Diego, California, 8 March (120 attendees).
- 1997** Pycnogenol as an immunostimulant and antioxidant in young and old mice. 4th International Symposium on Pycnogenol. Biarritz, France. 5 May (80 attendees).
- 1997** The effects of pycnogenol and other antioxidants on immune stimulation. 1997 antioxidant Symposium (Henkel), Kohler, Wisconsin, 2 June (40 attendees).
- 1997** Aging, a treatable disease by hormone replacement, University of Arizona Minority High School Students. 17 June (28 attendees).
- 1997** DHEA and Melatonin. Natural Choices Exposition 1997, Tucson, Arizona, 13 September (18 attendees).
- 1997** DHEA in Treatment of Aging and AIDS. Brigham Young University (11 attendees).
- 1997** Melatonin supplementation for immune restoration. American College of Nutrition, New York, New York (86 attendees).
- 1996** Hormonal and nutritional declines with age: Immune dysfunction and its treatment; and, chaired session Failure to Thrive and Nutritional Issues in Geriatric Psychiatry, American Association for Geriatric Psychiatry, Ninth Annual Meeting, Tucson, Arizona, 15 February (85 attendees).
- 1996** Immune stimulation by antioxidants in Veris (Vitamin E Research & Information Service) symposium on Lipid-soluble Antioxidants. Callaway Gardens, Georgia 11 June (40 attendees).
- 1996** DHEA in treatment of murine AIDS and aging. University of Arizona Microbiology Seminar, 2 February (16 attendees).
- 1996** Aging, hormones, and AIDS. University of Arizona, Summer Institute on Medical Ignorance, 4 June (65 attendees).
- 1996** Vitamin E and DHEA: Immunorestorers in aging and murine AIDS. Symposium on Lipid-Soluble Antioxidants. Pine Mountain, Georgia, 11 June (55 attendees).
- 1996** Antioxidants and health promotion. University of Auckland, School of Medicine and Health Science, Department of Pharmacology and Clinical Pharmacology. Auckland, New Zealand, 4 October (15 attendees).
- 1996** DHEA and Melatonin: Potential new immunomodulators in leukemia. University of Arizona Hematology/Oncology Research Conference, 8 October (18 attendees).
- 1996** Treating Cytokine Dysregulation in Murine Leukemia with DHEA and Melatonin. Cancer Biology Seminar Series, University of Arizona, 21 October (22 attendees).
- 1996** DHEA and Melatonin. Free Radical Therapy conference. Colorado Springs, Colorado, 25 October (25 attendees).
- 1996** Antioxidant hormones, DHEA and Melatonin: Immune restoration in Mouse AIDS. Seminar at USANA, Salt Lake City, Utah, 30 October (12 attendees).

- 1995** Hormone replacement with dehydroepiandrosterone to normalize immune dysfunction in chronic lymphocytic leukemia and AIDS. Arizona Cancer Center, University of Arizona, 28 February (25 attendees).
- 1995** DHEA and aging. Arizona Aging Center, 1 March (15 attendees).
- 1995** Treatment of immunosenescence (aging). Summer Institute on Medical Ignorance, University of Arizona, 8 June (45 attendees).
- 1995** Nutrition as an adjunct to AIDS therapy. National Nutritional Foods Association, Las Vegas, Nevada, 14 July (120 attendees).
- 1995** Stimulation of the immune system and killer cells by pycnogenol. Second International Pycnogenol Symposium, Biarritz, France, 2 May (88 attendees).
- 1995** Maintenance of immune function during murine leukemia infection. Arizona Cancer Center Hematology Seminar, Tucson, Arizona, 2 October (40 attendees).
- 1995** Can nutritional status modulate immune function? Nutritional Immunomodulation in Disease Prevention and Health Promotion. 15th Ross Conference, Florida, 13 November (35 attendees).
- 1995** Conference summary: Nutritional Immunology and the Future. Nutritional Immunomodulation in Disease Prevention and Health Promotion. 15th Ross Conference, FL, 14 November (35 attendees).
- 1995** Can nutritional status modulate immune function? Does immune dysfunction induce nutritional deficiencies? Department of Microbiology, Brigham Young University, Provo Utah, 16 November (28 attendees).
- 1994** Immune stimulation by vitamin E for improved cancer and AIDS resistance. American University in Cairo, 16 May (8 attendees).
- 1994** Cancer prevention by nutrition. American University in Cairo, 18 May (8 attendees).
- 1994** Alcohol, cytokines and murine AIDS. University of Queensland, Department of Biochemistry, Brisbane, Australia, 24 June (10 attendees).
- 1994** Murine AIDS. University of Arizona, in Medical Student Research Program, 7 July (52 attendees).
- 1994** Nutrition and cancer prevention. National Nutritional and Food Association, Las Vegas, Nevada, 30 July (120 attendees).
- 1994** Role nutrition in prevention of cancer and in restoration of immune function during murine AIDS. Fitzsimons Army Medical Center, Aurora, Colorado, 11 Aug (7 attendees).
- 1993** Cytokines in Murine AIDS. Lovelace Foundation, Albuquerque, New Mexico, 3 February (12 attendees).
- 1993** Drugs and Murine AIDS: Immunomodulation. Dept. of Pharmaceutical Sciences, University of Arizona, 10 February (24 attendees).
- 1993** Murine AIDS and Alcohol in Conference HIV and Alcohol Impairment: Reducing Risk: University of California, San Diego, California, 22 April (45 attendees).
- 1993** Alcohol, Immunosuppression and Cancer in Mice with Murine AIDS. Medical Student Research Program, University of Arizona, 15 June (35 attendees).

- 1993** Alcohol and AIDS: Modulation of Disease Resistance, (Symposium), Research Society on Alcoholism, San Antonio, Texas, 22 June (85 attendees).
- 1993** Suppression of Resistance to *Cryptosporidium*, *Streptococcus pneumoniae*, and Esophageal tumors by Murine Retrovirus. Research Society on Alcoholism, San Antonio, Texas, 22 June (35 attendees).
- 1993** Resources of the Arizona Alcohol Research Center in Symposium Resources of the Alcohol Research Centers for Alcohol Researchers, San Antonio, Texas 23 June (50 attendees).
- 1993** Intestinal parasite resistance during AIDS: Role of alcohol and nutrition in immune dysfunction. 25th International Congress of Nutrition, Adelaide, Australia, 27 September (75 attendees).
- 1993** Nutrition and AIDS symposium (organizer). XVth International Congress of Nutrition, Adelaide, Australia, 27 September (150 attendees).
- 1993** Vitamin E, murine AIDS and immunomodulation. Department of Biochemistry, University of New Mexico School of Medicine, Albuquerque, New Mexico, 7 October (8 attendees).
- 1992** Directed and hosted Second International Conference on Alcohol, Drugs of Abuse and Immunomodulation (AIDS) Tucson, Arizona, 9-13 September (300 attendees).
- 1992** Alcohol and Immunomodulation, University of Puerto Rico Medical Sciences Campus, 21 April (8 attendees).
- 1992** Murine AIDS, A Model for Human AIDS, University of Puerto Rico, Sigma Xi Lecture, 23 April (33 attendees).
- 1992** Nutrition, Immunomodulation and Cancer, Japanese Society of Nutrition and Food Sciences, Okayama, Japan, 8 May (700 attendees).
- 1992** Vitamin E, Alcohol and Cancer, Nagasaki University and Tokushima University Japan, 11-13 May (33 attendees).
- 1992** Beta-carotene: Immunomodulation in Aged Adults and AIDS Patients, USDA Western Nutrition Research Center, California, 28 May (12 attendees).
- 1992** Alcohol, Immunodeficiencies and Retrovirus Infection: Effects on Tumor and Pathogen Growth, International Symposium. Drugs of Abuse, Immunity and AIDS, University of South Florida, Clearwater, Florida, 3 June (65 attendees).
- 1992** Effect of Alcohol on Disease and Cancer Resistance in Murine AIDS. Division of Bacterial Products, Food & Drug Administration, Bethesda, Maryland, 4 June (12 attendees).
- 1992** Directed Symposia Alcohol and Nutrition and Alcohol and Immunomodulation Bristol England at International Society on Biomedical Research on Alcoholism, 20-27 June (240 attendees).
- 1992** Alcohol and Cancer: What We Learn From a Mouse Model of AIDS. University of Arizona High School Research Program Seminar, Tucson, Arizona, 9 July (40 attendees).
- 1992** Murine AIDS. Baylor College of Dentistry, Dallas, Texas, 1 September, (50 attendees).

- 1992** Biochemistry class lectures. FASEB Visiting Scientist to University of Puerto Rico Medical Science Campus sponsored by Minority Access to Research Careers Program, NIGM 16-24 April (12 attendees).
- 1991** Murine Model of AIDS: Effect of alcohol and cocaine, Ohio State University, Columbus, Ohio, 11 March (15 attendees).
- 1991** Alcohol and Mucosal Lymphoid Cells, Alcohol and Immunology Symposium, Vail, Colorado, 12 April (45 attendees).
- 1991** Symposium: Nutrition and AIDS with talk on Alcohol and Immunomodulation in murine AIDS. FASEB, Atlanta, Georgia, April (105 attendees).
- 1991** Cocaine Detection and Immunomodulation, University of Arizona, Summer Seminar Series (La Residencia del Incognito), 18 June (55 attendees).
- 1991** Nutrition and AIDS, Brigham Young University, Provo, Utah, 13 September (8 attendees).
- 1991** A murine model of AIDS: Suppressor of resistance to streptococcal pneumoniae and tumors, Conference on Animals Modeling for AIDS Research, Tuskegee University, Tuskegee, AL, 11 September (40 attendees).
- 1990** Immunomodulation by alcohol in an AIDS model. Texas Tech University Medical School, Lubbock, Texas, 27 February (10 attendees).
- 1990** Drugs, Immunosuppression and Resistance to Disease 19th Annual San Diego Summer School of Alcohol and Other Drug Studies. San Diego, California, 11 July (20 attendees).
- 1990** Drugs of abuse and immunomodulation. Madigan Army Medical Center, Endocrinology Rounds, 4 August (6 attendees).
- 1990** Animal models for AIDS virus: Drugs of abuse and immune deficiency; and Drugs of abuse, nutritional status and immunity. University of Alabama, Birmingham, Alabama, 24-25 September (9 attendees).
- 1990** Fat and Immunology, Clintec International Inc., Deerfield, Illinois (8 Attendees).
- 1990** Beta carotene and immunology, Department Food and Nutrition, Purdue University, West Lafayette, Indiana, 19 October (22 attendees).
- 1990** Fats and immunity, Clintec International Inc., Deerfield, Illinois, 24 October (8 attendees).
- 1990** Animal models of AIDS, Indiana University Medical School, Indianapolis, Indiana, 25 October (28 attendees).
- 1989** Ethanol and Morphine: Immunomodulatory cofactors in the development of immunosuppression in a murine model of retroviral infection. University of Arizona, Tucson, Arizona, 27 April (10 attendees).
- 1989** Directed and hosted conference Alcohol and immunomodulation at NIAAA sponsored Alcohol and AIDS Network Conference, Tucson, Arizona, 27-28 April (250 attendees).
- 1989** Inflammation and healing in sports-induced soft tissue injury. NIH and American Orthopedic Society for Sports Medicine conference/workshop, Rockville, Maryland, 23-25 May (15 attendees).

- 1989** Role of betacarotene and alcohol on cancer. 1989 Summer Seminar Series, University of Arizona, 11 July (40 attendees).
- 1989** A murine model of AIDS: Used in studies of immunomodulation by ethanol and morphine. Fitzsimmons Army Medical Center, Aurora, Colorado, 15 August (8 attendees).
- 1989** Cancer prevention by immunomodulation: Use of beta carotene. Fitzsimmons Army Medical Center, Aurora, Colorado, 17 August (8 attendees).
- 1989** A role of ethanol and other substance of abuse on disease resistance of retrovirally infected mice. Drugs of Abuse, Immunity and Immunodeficiency, Clearwater, Florida, 15 December (40 attendees).
- 1988** Effects of Retinoids and Carotenoids on UVB Irradiated Human Monocytes In Vitro. Third International Conference on the Prevention of Human Cancer: Chemoprevention, Tucson, Arizona, 12 January (20 attendees).
- 1988** Nutrition and AIDS. American Society for Parenteral and Enteral Nutrition. 12th Clinical Congress. Post Graduate Course. Las Vegas, Nevada, 17 January (50 attendees).
- 1988** Vitamin A and Selenium, Immunology in Cancer Prevention School of Medicine, Food Science Building, Texas Tech University, Lubbock, Texas, 8-9 March (8 attendees).
- 1988** Antioxidants and Cancer Prevention. Vitamin E Conference. Laguna Niguel, California, 15-18 June (240 attendees).
- 1988** Nutrition and AIDS. Fitzsimmons Army Medical Center, Aurora, Colorado, Lecture for 5502nd USAR Hospital, 4-5 June (5 attendees).
- 1988** Fortifying the Immune System. National Nutrition and Foods Conference, Las Vegas, Nevada, 22 July (120 attendees).
- 1988** Carotenoids and Immunomodulation. Amoco Technical Naperville, Illinois, 28 October (6 attendees).
- 1988** Alcohol, Drugs of Abuse and Murine AIDS. National Institutes of Drug Abuse Technical Review Meeting, Rockville, Maryland, 1 November (20 attendees).
- 1987** Vitamin A and Cancer. Phi Beta Psi National Conference, Phoenix, Arizona, July 13 (250 attendees).
- 1987** Retinoids and Immunomodulation: Skin Cancer Prevention in Mice. University of Arizona, Tucson, Arizona, February 24 (10 attendees).
- 1987** Caffeine, Love It or Leave It. University of Arizona, Tucson, Arizona, 20 March (20 attendees).
- 1987** Vitamin A and Cancer Phi Beta Psi: Sorority Annual Meeting, Scottsdale, Arizona, 13 July (250 attendees).
- 1987** Nutrition and Cancer Prevention by Vitamins National Nutrition and Foods Conference, Las Vegas, Nevada, 14 July (320 attendees).
- 1987** Vitamins and Cancer Prevention. Department of Clinical Investigations. William Beaumont Army Medical Center, El Paso, Texas 24 July (12 attendees).
- 1987** Cancer Prevention by Vitamin A. Annual Meeting Council for Responsible Nutrition, Phoenix, Arizona, 14 September (55 attendees).

- 1986** Vitamin A and Cancer Prevention. University of Utah, School of Health, Salt Lake City, Utah. January 28 (12 attendees).
- 1986** Protein Malnutrition and Secretory IgA. Wise and Helen Burrough lectureship #57, Iowa State University, Ames, Iowa, January 29 (45 attendees).
- 1986** Vitamin A and Immunology Seminar. Iowa State University, Ames, Iowa, January 30, Biochemistry Seminar on Vitamin A and Immunology (45 attendees).
- 1986** Nutrition and Aging. U.S. Department of Agriculture's Human Nutrition and Aging Center, Tufts University, Boston, Massachusetts 10 April (25 attendees).
- 1986** Retinoid Activation of Macrophages and Role in Cancer Prevention in Mice. Division of Nutritional Sciences, Cornell University Ithaca, New York 11 April (15 attendees).
- 1986** Vitamin and Trace Elements: Effects on Cancer Resistance. Arizona State University, Tempe, Arizona, 28 March (8 attendees).
- 1986** Protein Deficiency and Vitamin A: Modulation of Mucosal IgA, Mucosal IgA Conference, Toronto, Canada, 2 July (45 attendees).
- 1986** Retinoids and Immune Function in Nutritional Regulation of Immunity and Infection, Pre-Congress Symposia of the International Congress of Immunology, Toronto, Canada, 3-5 July (55 attendees).
- 1986** Frontiers in Allergy, 4th Annual Allergy Conference, Aspen, Colorado 23 July (51 attendees).
- 1986** Nutrition and Disease in Children: Rural Health Congress, October 17, Rio Rico, Arizona (88 attendees).
- 1986** Vitamin A and Immunity. Cancer Center, University of Hawaii, October 31 (15 attendees).
- 1986** Protein Malnutrition and Immunity in Mice and Children. Dept. Nutrition and Food Science, Brigham Young University, Provo, Utah, 5 December (15 attendees).

Other Scholarly Activities

Eighty seminars were presented at other Universities prior to June, 1983; however, select presentations since are listed below:

- Nutrition and Immune Functions. Letterman Army Medical Center, San Francisco, CA, 6 June 1983.
- Nutritional Cellular Immunity in Colombian Children.
- U.S. Army Medical Research Institute for Infectious Diseases. Frederick, MD, July 15, 1984.
- Enhancement of Resistance to Leukemia and *Listeria monocytogenes* Growth in
- Nutritionally Stressed Mice. National Cancer Institute-Frederick Cancer Research Facility, Biological Response Modifiers Program, August, 1983.
- Nutrition to Enhance Longevity. American University in Cairo, Cairo, Egypt, November 8, 1983.

- Rapid Viral and Bacterial Diagnosis. U.S. Army Medical Research Institute of Infectious Diseases, Fort Detrick, MD, November 21, 1984.
- Malnutrition, Renutrition and Cellular Immunity in Children. Nutrition Institute, Cairo, Egypt, May 20, 1984.
- Nutrition and Thymus Gland. University of Pecs Medical School, Pecs, Hungary, May 26, 1984.
- Malnutrition and Immunological Theory of Aging. National Institute of Food-Hygiene and Nutrition, Budapest, Hungary, May 28, 1984.
- Guest of Hungarian Physiology, Immunology and Nutrition Societies 13-cis Retinoic Acid and Cellular Immune Functions in Normal Adults and Mycosis Fungoides Patients. Federation of American Societies of Experimental Biology Conference on Micronutrients and Retinoids, June 18-19, 1984, VT.
- Nutrition and Immunity, Third International Symposium on Infections in the Immunocompromised Host. York University, Toronto, Canada, 24 June 1984.
- Vitamin A: Roles in Immunoregulation and Cancer Resistance. University of Arizona, 21 September 1984.
- Vitamin A, E and Selenium: Role in Cancer Prevention and Immunomodulation.
- American Dietetic Association Annual Meeting. Washington, D.C. October 1984.
- IgA and Nutrition. Western Society of Allergy and Immunology, Scottsdale, AZ 26 October 1984.
- Effects of Retinoids on Immune Functions in Vitro. Immunology Club. April 10, 1985. University Medical Center, Tucson, AZ.
- Use of Vitamins in Prevention of Cancer. Northern Arizona University, 12th Annual Arizona Rural Health Conference. 3 August 1985, Flagstaff, AZ.
- Vitamin A and Immunology. Workshop on Nutrition and Immunity (Presenter and Co-chairman) XIIIth International Congress of Nutrition, Brighton, England, August 1985.
- Alcohol Biochemistry and Diagnosis (3 lectures). Western Region Navy Alcohol and Drug Safety Action Program Management Conference, San Francisco, CA., 19 and 20 November 1985.
- Vitamin A and Cancer Resistance. College of Biological Sciences, Brigham Young University, Provo, UT. 5 December 1985.
- Mucosal Immunity. Miami Valley Research Laboratories, Procter and Gamble, Cincinnati, Ohio, December 9, 1985.
- Vitamin A and Cancer Prevention. University of Utah, School of Health, Salt Lake City, UT. January 28, 1986.
- Protein Malnutrition and Secretory IgA. Wise and Helen Burrough lectureship #57, Iowa State University, Ames, IA, January 29, 1986.
- Vitamin A and Immunology Seminar. Iowa State University, Ames, IA, January 30, 1986, Biochemistry Seminar on Vitamin A and Immunology.
- Nutrition and Aging. U.S. Department of Agriculture's Human Nutrition and Aging Center, Tufts University, Boston, MA 10 April 1986.

- Retinoid Activation of Macrophages and Role in Cancer Prevention in Mice. Division of Nutritional Sciences, Cornell University Ithaca, N.Y. 11 April 1986.
- Vitamin and Trace Elements: Effects on Cancer Resistance. Arizona State University, Tempe, AZ, 28 March 1986.
- Presentation and Workshop Chairman, Vitamin A Immunology and Methodology FASEB Conference, VT, 22-27 June 1985.
- Protein Deficiency and Vitamin A: Modulation of Mucosal IgA in Mucosal IgA Conference, Toronto, Canada, 2 July 1986.
- Retinoids and Immune Function in Nutritional Regulation of Immunity and Infection, Pre-Congress Symposia of the International Congress of Immunology, Toronto, Canada, 3-5 July 1986.
- Frontiers in Allergy, 4th Annual Allergy Conference, Aspen, Colorado 23 July 1986.
- Nutrition and Disease in Children: Rural Health Congress, October 17, 1986, Rio Rico, AZ.
- Vitamin A and Immunity. Cancer Center, University of Hawaii, October 31, 1986.
- Protein Malnutrition and Immunity in Mice and Children. Dept. Nutrition and Food Science, Brigham Young University, Provo, UT, 5 December 1986.

Consultancies in the United States

2006	Advisor to Texas A&M University Vegetable and Fruit Improvement Center
2005 ⁺	Natural Health Institute, Washington D. C.
2004	Bioflavonoids and Heart Disease. 95 th American Oil Chemists Society, Cincinnati, OH.
2003	Greater Tucson Leadership Program Healthcare Issue Day, "Substance Abuse"
2001	Prevention of oxidative-inflammatory disease in mouse AIDS and humans: Pine bark extract and other nutraceuticals. Plant Sciences Department, Science of Juice Plus (part 1). Dr. Ronald Watson. Memphis Fall Leadership Conference and Science of Juice Plus® Symposium Arizona State University, Tempe, AZ.
1998	Testimony on second hand smoke to Pima County Board of Health.
1998	Member Special Emphasis Panel evaluating applications submitted to RFA HL-97-014 Endothelial Dysfunction in HIV Infection. Gaithersburg, MD.
1997-99	Natrol, Inc. Appointed to Strategic Alliance Team, the company's scientific research group.
1992	University of Michigan Alcohol Research Center (Practice Site Visitor and Consultant).
1992	Lovelace Medical Foundation, Albuquerque, New Mexico (Site Visitor).
1990-91	Scientific Advisory Board of Primus Corporation (Alcohol Tests)
1990	Texas Tech University, Lubbock, Texas "Drug abuse research program development"

- 1990 Clintec International Inc., Deerfield, Ill. "Fat and Immunology"
1988 Amoco Technical Company, Naperville, Illinois, "Carotenoid immunomodulation" 28 October 1988
1986-87 "Anti-cancer peptides, effects on macrophages" for Dr. Leo Vernon, Division of Biochemistry, Department of Chemistry, Brigham Young University, Provo, Utah
1985 Mead-Johnson. "Secretary Immunity"
1985 Procter and Gamble, Inc. Miami Valley, Ohio Research Laboratories "Secretary IgA and Nutrition."
1982 U.S. Department of Agriculture, Human Aging Center administered by Tufts University, Boston, MA. "Immunology and Aging Program Evaluation"
1981 Mariposa Foundation for Research (non-profit) "Research Direction"
1981 Abbott Laboratories, North Chicago, Ill. "Immune Responses and Diagnosis of Infectious Diseases"
1978 Consultant in Immunology, Argonne National Laboratories, Chicago, IL
1977 Scientific Consultant to Wooden, Stark, McLaughlin and Sterner, Lawyers, Indianapolis, IN
1974-79 NIH Center, International Center for Medical Research and Training in Cali Colombia. "Malnutrition and Immune Functions in Children and Adults. Designed and consulted on grant renewal of center, and research projects carried out jointly by Colombian coworkers and my U.S. Laboratory
1973 Ames Laboratories, Elkhart, In Mead-Johnson, Evansville, IN

International Consultancies, Field Work and Education

Immunology:

- Egyptian National Cancer Center, Cairo, Egypt May and November 1984, June 1985
- Institute of Hygiene and Nutrition, Budapest, Hungary, May, 1984
- Consulting Immunologist and Nutritionist, International Center for Medical Research, Cali, Colombia, September, 1974, November 1974, November 1975, November - December 1976, August-September 1978, and November 1979
- Trachoma Research team sponsored by Harvard University, Dhahran, Saudi Arabia, November-December, 1972

Nutrition:

- FASEB Visiting Scientist to University of Puerto Rico Medical Science Campus sponsored by Minority Access to Research Careers Program, NIGM 16-24 April, 1992
- Institute of Hygiene and Nutrition, Budapest, Hungary, 1984

- University of Pecs Medical School, Pecs, Hungary, May 1984
- MODA, El Hada Hospital - Training of interns and residents in biochemistry, nutrition and immunology. Taif, Saudi Arabia, 1983 March-April
- Egyptian Ministry of Health and Egyptian Nutrition Institute, February. 1980, September 1980, December 1982, January, March and November 1983, May and November 1984, June 1985
- Advised Dr. M. Mansour (chief biochemistry) on Research Program, U.S. Navy Medical Research Unit #3, November 8-9, 1983
- Consultant on Nutrition and Immunology to the Nutrition Institute, Cairo, Egypt, to develop immunology program and laboratory, 1980-85
- REDSOE Project for US Agency for International Development at West African Office. "Nutrition in Less-developed Countries." Abijan, Ivory Coast, 1980.

Grants: Principal Investigator

- 2009-11 Principal investigator Mechanism of the anti-remodeling activity of the over-the-counter dietary supplement, Pycnogenol on age-dependent process of cardiac fibrosis in aged hypertensive subjects with echocardiographic evidence of grade I/II diastolic dysfunction. Horphag, Switzerland \$163,000
- 2007-10 Principal Investigator Immunomodulation by DHEA: To prevent cardiovascular dysfunction, AT 004177 NIH National Center for Complementary and Alternative Medicine, \$435,000.
- 2005-10 Co-Principal Investigator with Douglas Larson Immunomodulation: Cardiovascular structure and function. HL079206 National Heart, Lung, and Blood Institute \$2,250,000.
- 2004-05 Principal Investigator, Pycnogenol in reduction of pain in osteo arthritis, Horphag, Switzerland, \$ 25,000.
- 2003-07 Principal Investigator, Pycnogenol to lower hypertensive drug use in diabetics. Horphag Research Ltd. Switzerland. \$ 65,000.
- 2002-05 Principal Investigator, Strategy to evaluate and screen immunonutritional ingredients or formulas. Ross Product Division, Abbott Laboratories, \$130,000.
- 2000-05 Principal Investigator, Alcohol and cocaine immunomodulation of Retroviral cardiotoxicity. NIH National Institutes of Drug Abuse: Supplement to HL 63667. \$300,000.
- 2000-02 Principal Investigator, NIDA supplement to Immunomodulation of Retroviral Cardiotoxicity HL 59794 NIH - National Heart, Blood and Lung Institute. \$61,000.
- 1999-05 Principal investigator, Alcohol Induced Immunomodulation: retroviral cardiopathology. NIH - National Heart, Blood and Lung Institute. RO1 HL 63667 \$975,000.
- 1997-02 Principal investigator, Retrovirus and Cardioimmunopathology. NIH RO1 National Heart, Blood and Lung Institute. HL 59794. \$650,000.

- 1997-98 Principal Investigator, Effect of Vegetable Extracts on Immune and Antioxidant Systems in Seniors. Natural Alternatives, International. \$107,000.
- 1997-98 Principal Investigator, Betatene and Skin Redness Prevention, Henkel Corporation, \$65,000.
- 1997-98 Principal investigator, Antioxidants in Murine Aging and AIDS. Leibovitz Foundation, \$40,000.
- 1995-99 Principal Investigator, Prevention of Platelet Aggregation in Smokers. Horfag Research Inc., Switzerland. \$43,000.
- 1995-97 Principal Investigator, Pycnogenol and Immunology, Horfag Research Inc., Switzerland. \$ 20,000.
- 1994-95 Principal Investigator, (CoPI J. Marchalonis) T-cell Receptor Treatment of AIDS: Immunosuppression in a Model, VP Research. University of Arizona, \$23,000.
- 1992-93 Principal investigator, Conference on Drugs of Abuse: Immunomodulation and Disease Drugs. NIH-National Institute of Alcoholism and Alcohol Abuse, 1R13 AA08969-01, \$33,717.
- 1990-93 Principal Investigator, Minority Supplement of the Alcohol: Immunomodulation and Disease Pathogenesis, NIH-National Institute of Alcoholism and Alcohol Abuse, \$500,000.
- 1989-92 Principal Investigator, Immunomodulation and Resistance to Retrovirus AIDS. NIH-National Institute of Drug Abuse, 1R01DA04827 \$375, 858.
- 1988-93 Principal investigator, Alcohol: Immunomodulation and Disease Pathogenesis, NIH-National Institute of Alcoholism and Alcohol Abuse, 1P-50-AA08037, \$3,300,000.
- 1985-87 Principal Investigator, Allergy Studies, Mead-Johnson, Inc., \$98,000.
- 1985-86 Principal Investigator, Vitamin C and Immune Function, Hoffman-LaRoche, \$4,300.
- 1985-86 Principal Investigator, In Vitro Effects of Drugs on Immune Function, Upjohn Company, \$500.
- 1983-86 Retinoids and Modification, Immunological Functions in Man, NIH (Project Principal Investigator in program/F. Meysken), \$221,000.
- 1982-86 Immunity and Microbiology in the Moderately Energy Undernourished, US Agency for International Development/CRSP as ..., \$185,000
- 1985-86 Vitamin C and Immune Function, Hoffman-LaRoche, \$4,300
- 1985-86 In Vitro Effects of Drugs on Immune Function, Upjohn Company, \$500
- 1984-85 Stress and Immune Function Changes for Research and Training, University of Arizona (Co-Principal Investigator with C. McClure), \$13,000
- 1983-85 Optimization of Immunological or Mental Functions in the Aged, Foundation for Nutritional Advancement, \$12,000
- 1978-80 Renutrition of Severely Malnourished Columbian Children: Cellular and Secretary Immune Functions, \$76,000
- 1978-80 Malnutrition, Immune Function, and Columbians, NIH/International Center for Medical, \$10,100
- 1974-83 Dietary Intakes of Protein, National Livestock and Meat Board, \$140,000
- 1974-83 Malnutrition and Secretary IgA, NIH, \$75,000

1974-80 Malnutrition and Secretory IgA in Columbian Children, NIH/International Center for Medical Research, Cali, Columbia, \$105,000

Grants: Co investigator

2008-09 Sherma Zibadi MD Gender-specific role of Leptin, a link between obesity and cardiac extracellular matrix remodeling, The John T. and Janek K. Billington Research award for health disease in Women and/or Technology Development \$15,000, mentor

2005-10 Co-investigator PI Douglas Taren Decreasing MCH Disparities through graduate education. Maternal and Child Health Bureau, HRSA. \$1, 879,000.

1990 Co-Principal Investigator, Fluorescent Concentration Analysis Instrument, NIHS-Small Instrument Grant Program, \$25,957.

1986-87 Co-Investigator PI J. Blanchard, Effects of Age and Intake of Vitamin C Disposition in Females, AARP Andrus Foundation, \$49,873.

Attendance at International Research Meetings

2005 European Society for Biomedical Research in Alcoholism, Canterbury, U.K.

1995 The 9th International Congress of Immunology, San Francisco, California

1998 International Society for Biomedical Research on Alcoholism, Copenhagen, Denmark

1997 International Nutrition Conference, Montreal, Canada

1994 International Society for Biological Research on Alcoholism, Gold Coast, Australia

1992 Bristol, England, International Society Biomedical Research on Alcoholism

1992 Okayama, Japan, Japanese Nutrition Society

1992 Tucson, AZ, Second International Conference on Alcohol, Drugs of Abuse and Immunomodulation (AIDS).

1990 International Society for Biological Research on Alcoholism, Toronto, Canada

1990 Tucson, AZ, International Liver Cell Meeting

1987 Third International Conference on AIDS, Washington, DC

1986 Sixth International Congress of Immunology, Toronto, Canada

1986 Nutritional Regulation of Immunity and Infection, Toronto, Canada

1985 Second International Congress on the Modulation and Mediation of Cancer by vitamins and micro-nutrients, Tucson, AZ

1985 XIIIth International Congress of Nutrition, Brighton, England

1984 International Congress of Pediatrics, 3rd International Symposium, Washington, DC

1984 Third International Symposium on Infections in the Immuno-Compromised Host, Toronto, Canada

1984 First International Tear Film Symposium, Lubbock, TX

1984	International Society for Prevention of Oncology, Vienna, Austria
1980	Western Hemisphere Congress of Nutrition VII, Los Angeles, CA
1977	XIth International Nutrition Meeting, San Paulo, Brazil
1976	Western Hemisphere Congress of Nutrition VI, Quebec City, Canada
1974	Western Hemispheric Nutrition Congress IV, Bal Harbour, FL
1970	International Immunology Congress, Washington, DC
1970	International Tracoma Research Meeting, Seaside, MA

Travel Grants

- ESBRA (European Society Biomedical Research on Alcoholism in Canterbury, England, UA International Travel, 2005, \$500
- University of Sonora: Cardiopathology in Murine AIDS – Health Promotion Sciences, Sonora, Mexico, UA International Travel, 2001, \$650.
- International Conference of International Society of Biomedical Research on Alcoholism, NIAAA/ISBRA, July 2001, \$5,000
- International Society of Biomedical Research on Alcoholism International Conference of International Society of Biomedical Research on Alcoholism, Copenhagen, Denmark, NIAAA/ISBRA U of Arizona, July 1998, \$1,000
- International Conference of International Society of Biomedical Research on Alcoholism, Australia, UA International Travel Program, July 1994, \$800

TEACHING AND ADVISING ACTIVITIES

I. Course Director

Semester	Course #	Description	# Students
Fall 2013	CPH 499	Independent Study	4
Spring 2013	CPH 499	Independent Study	4
Fall 2012	CPH 492	Independent Study	2
Fall 2012	CPH 499	Independent Study	2
Spring 2012	CPH 492	Independent Study	1
Spring 2012	CPH 306Hono	Honors project	1
Spring 2011	CPH 492	Independent Study	2
Spring 2011	CPH 399	Drugs and Society	3
Spring 2011	CPH 306honor	Drugs and Society	4
Spring 2011	CPH 306	Biology in Public Health	129
Fall 2010	CPH 405/505	MCH seminar	23

Fall 2010	CPH 696H	MCH seminar	24
Spring 2010	CPH 696H	Drugs and Society	12
Spring 2010	CPH 306	Independent Study -3 credit class	118
Fall 2009	CPH 699	MCH Seminar	2
Fall 2009	CPH 696H	MCH Seminar	10
Spring 2009	CPH 696H	Drugs & Society	11
Spring 2009	CPH 306	Biology for Public Health	53
Fall 2008	CPH 405/505		20
Fall 2008	CPH 696H	MCH Seminar	15
Spring 2008	CPH 696H	MCH Seminar	12
Spring 2008	CPH 306	Drugs & Society	115
Spring 200	CPH 615	Drug Abuse for Public Health (new)	8
2006-2007	CPH 599	Special problems in Public Health	4
Fall 2006	CPH 405/505	Biology for Public Health	8
Fall 2005	CPH 405/505	Biology for Public Health (new)	7
1984-07	NSC 900	Special Problems in Nutrition	25
1984-07	NSC 599	Nutrition Research	27
Spring 1992	596 S	Medical Student Selective Course: AIDS, Cancer Nutrition & Immunity	5
Fall 1988		Immunotoxicology Pharmacology/ Toxicology 582x & Microbiology 582	35
Spring 1983		MODA Hospital, Taif Saudi Arabia Advanced Immunology, Nutrition & Biochemistry for Interns & Residents, a month long refresher course	20

II.Course Co-Director

Semester	Course #	Description	# Students
Pre-session 2007		Care Systems in the Rural Southwest	
Summer 2007	CPH 597b	Creating Culturally Competent Health	7
Spring 199	Biochemistry	The American University of Cairo	7
Spring 1994		Nutrition & Human Feeding University of Guadalajara, Mexico	21
Spring 1993		Nutrition & Human Feeding University	

		of Guadalajara, Mexico	19
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III. Course Lectures

Fall 2008 C BIO, CBA&MCB 496J/596J, MED 896J, C BIO 896J Frontiers in Medical Research Seminars 32

Semester	Course #	Description	# Students
Spring 2007	CPH EPID/ CPH 660	Infectious Disease Epidemiology	40
Spring 2007	CPH 696h	Maternal & Child Health Seminar	15
Fall 2003	NSC 520	Advanced Nutritional Sciences	10
Fall 2000	NSC 620	Advanced Nutritional Sciences	10
Fall 2000	NSC 520	Advanced Nutritional Sciences	10
Fall 1998	PCC Bio 197	Intro to Biological Research	12
Fall 1998	NSC 605	Nutritional Immunology	7
Spring 1996	PCC Bio 297	Bioscience	10
Fall 1996		Cancer Biology Seminar Series	40
Fall 1995	PCC Bio 197	Biological Research	9
Fall 1995	NSC 605	Nutritional Immunology	7
Fall 1994	NSC 605	Nutritional Immunology	7
Spring 1992	NSC 596	Seminar	30
Spring 1990	596X	Nutrition & Immunomodulation: Roles in Cancer & AIDS	4
Fall 1990	NSC 605	Nutritional Immunology	12
Spring 1989	596W	Diet and Disease Prevention	6
Spring 1989	596X	Nutrition & Immunomodulation: Roles (New Medical Elective) in Cancer & AIDS	5
Spring 1988	596W	Diet & Disease Prevention	
Spring 1988	602a	Biotoxicology	7
Spring 1987	Medicine 89622	Interdepartmental Course	11
Spring 1987		Advanced Immunology	8
Spring 1986	695B	Immunopathology	6
Spring 1985	464	Human Physiology	15
Fall 1985	582X	Immunotoxicology	8
Fall 1984	MED 59622/89622	Medical Electives: Pathogenesis & Approach to Immunological Diseases	5
Spring 1984	896CC/596CC	Community & International Nutrition	10
Spring 1984		Approach to Immunological Disease	8

IV. Teaching Awards and Grants

2005-09 Co-investigator on Maternal and Child Health grant, HRSA to

train Doctor's of Public Health (new program in 2007) and Master's of Public Health students.

Graduate student winners of the American Institute of Nutrition & Procter and Gamble Student Research Award:

1988 Ghada Abdel-Fattah

1988 Rao Prabhala

1994 Yue-jian Wang

V. Individual Student Contact: Advising

Doctor of Public Health (*new degree program beginning fall 2007*)

2008-2011 Julia Pugmire Health effects of childhood exposure to environmental tobacco smoke in children followed to adulthood

Doctor of Philosophy (advised as Dissertation Director)

2008-10 Randy Vazquez

2008-09 Arash Sebeti MD

2007-09 Elhad Kohjeni MD

2003-09 Sherma Zibadi MD

2002-05 Mercedes C. Arguelles

2000-05 Ramon Tomas Sepulveda (co-dissertation director)

1999-03 Bo Yang MD

1998-02 Jin Zhang MD

1997-01 Yinhong Chen MD

1998-03 Qianli Yu

1995-99 Jeongmin Lee

1995-00 Shugang Jiang

1995-00 Saeed Hosseini MD

1994-98 Zhen Zhang

1994-98 Paula Inserra

1994-98 Bailin Liang

1992-97 Mohsen Araghinknam

1992-96 Susanna Ardestani

1990-94 Steven Wood

1990-94 Yue Jian Wang

1889-93 Masoud Shahbazian

1989-93 Dennis Huang

1987-91 Olalekan Elufisay Odeleye

1986-91 Hamid Reza Darban

1985-89 Rao Prabhala

Masters of Public Health Students (*advising began in 2006 with funding to teach*)

2011- 2012 Brooke Adams
2011-2012 Radhika Babaria
2011- 2012 Hilary Rees
2010- 2012 Karen Dreisbach
2008-2010 Carolyn Beal
2008-2010 Meghna Patel
2008-2010 Joseph West
2009 Zaynah Chowdury
2009-10 Gayle Bentley
2007-09 Felina Cordova
2007-08 Shoroog Shumnag
2007-08 Lisa O'Neil
2007 Emily Wilkinson
2006-08 Jeffery Stanaway

Masters of Science Students (advised as Dissertation Director)

2001-04 Donquin Zhang, M.D
1999-02 Yingying Liu
1991-93 Kee-Fong Seeto
1989-90 Dennis Huang
1989-91 Torka Sue Poet
1984-87 David Jay Schoen
1984-87 Nadia Messiha
1978-82 Chee Chung
1978-82 Grace Shiow-Chen Chien
1978-81 Neal J. Putt
1978-81 David Safranski
1974-78 G.C. Deitchman
1974-77 James M. Clinton
1974-77 G. Robert Horton
1973-74 J.O. Wallis

Mentor (Sponsor) Medical Student Research Program

1990 Cathy Suriano
1990 Scott Rex
1989 Kim A. Rutherford
1987-89 H. Tuan Nyugen

Minority High School Teachers: NIH Science Teacher Initiative Program
for summer research training.

2002	Cynthia Mlakar
2000	Albert Arvallo
1999	Herman Lucero
1997	William Cummings
1996	Henry R. Matz
1993	John Lopez

Mentor (Sponsor) Medical Student Research Program

1990	Cathy Suriano
1990	Scott Rex
1989	Kim A. Rutherford
1987-89	H. Tuan Nyugen

Independent Studies students

2013	Vijay Singh
2013	Gaurav Paul
2009	Gayle Bentley
2009	Zaynah Choudary
1998	Kozo Yoshikawa
1997-98	David Solkoff
1996-97	David Solkoff
1995-96	Annabell Castro
1995-96	Mark Molitor
1995-96	Kerry Elliot
1994	Lisa Lane
1994	George Lambrou
1993-94	Debra Beckham
1992-93	Paul Giger
1992	Kimberly King
1991-93	Anthony Stazzone
1991-93	Andrea Hebert
1991	Lori Anderson
1991	Kevin Kuzma
1990-91	Ron Balajadia
1990-91	Nicole Thomas
1985-88	Ed Abril

Minority Undergraduate Students

2001	Danine Fisher
2000	Manases Villa Summer

1999-00	Sergio Montes
1996	Ariana Call
1995	Omar Call
1994-95	Jeanine E. Cheshire
1994	Annabell Castro
1993-94	Cynthia Duran

Minority High School Students

2002	Katrina Simpson
2001	Debra Hickman
2000	Christian Soto
1999	Julian Martinez
1998	Dennis A. Serrano
1994	Michelle Parra
1993-94	Kunjan Bhatt
1992	Carrie Laechelin
1991	Alicia Powers

Postdoctoral Fellows

2009-	Sherma Zibadi MD, Ph.D.
2005-09	Mercedes Arguelles, Ph.D
2001-03	Denise Slayback, Ph.D
1999-00	Jaqui Shi MD, Ph.D.
1998-98	Kozo Yoshikawa, Ph.D
1997-98	Mohsen Araghiniknam, Ph.D
1996-97	Bailin Liang, Ph.D
1991-92	Sergei V. Pirozhkov, Ph.D
1991-92	Olalekan Odeleye, Ph.D
1991-92	John Alak, Ph.D
1991-92	Hamid R. Darban, Ph.D
1990-92	Francisca Martinez, Ph.D
1989-93	Maria Lopez, Ph.D
1989-92	Guan-gie Chen, Ph.D
1989-91	R.K. Pillai, Ph.D
1989-91	Luis Colombo, M.D., Ph.D
1989-91	Bernard Watzl, Ph.D
1985-87	James Rybski, Ph.D
1980-82	Thomas Petro, Ph.D
1979-82	Nadia Messiha, MD
1979-81	T. Lim Ph.D
1978-79	Keith Haffer, Ph.D
1975-76	Michael Zeckel, M.D

1975-76 K. Shapiro, Ph.D
1974-76 Dilip Parikh, Ph.D

Faculty Advised and Directed

2000-01 Maria Lopez, Ph.D., Research Assistant Professor
1998 Marcus Peutter, M.D., Ph.D., German medical resident
1996-06 Reza Farid, M.D., Visiting Professor from Iran (1 week/year)
1993-00 Yun Cui, M.D., Visiting professor, China
1991 Shi-ling, Ph.D. Professor Shanghai Railway Medical School Clinic.
1991-92 Ayako Yoshioka, Ph.D., Assistant Professor, Japan
1990-91 K. (Orange) Tachibana, Ph.D., Professor, Nagasaki University
1985-87 Janos Szebini, M.D., Research Specialist in Nutrition, the
Hungarian Institute of Nutrition and Hygiene
1984 Daisy Fleita Ph.D., Associate Professor, American University of Cairo,
August and September
1983-85 Satoru Moriguchi, M.D., Ph.D. Assistant Professor and Research Specialist
in immunology, Tokushima Medical University
1975-76 Magda Antal, M.D., Professor of Nutrition, Hungarian Institute of
Nutrition

Education Grant Reviewer

2007 US Department of Agriculture reviewed grants for "Food and Agricultural
Sciences National Needs Graduate Fellowships Grant Program".

Office Hours

Every semester I make myself available for student meetings with students (from my courses) by appointment and with graduate research advisees by walk-in. My office door is kept open all day long. In addition, I communicate with students over the phone and by email. Students from my graduate classes meet with me several times a month individually and those doing thesis research meet with me several times a week, along with a weekly laboratory seminar.