

CURRICULUM VITAE

Stephen Olmstead, MD

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Mailing Address: PO Box 19217
Reno, Nevada 89511

Date of Birth: November 20, 1952

Place of Birth: Las Vegas, New Mexico

Present Position: 2005-present Chief Science Officer
Prothera, Inc.
Klaire Labs, a division of ProThera, Inc.
Reno, Nevada

Education: 1971-1975 BS With Distinction
Biology Major, Chemistry Minor
University of New Mexico
Albuquerque, New Mexico

1975-1979 MD, School of Medicine
University of New Mexico
Albuquerque, New Mexico

Post Graduate Training and Fellowship Positions:

1979-1980 Intern in Medicine
Massachusetts General Hospital
Boston, Massachusetts

1980-1982 Resident in Medicine
Massachusetts General Hospital
Boston, Massachusetts

1984-1987 Fellow in Cardiovascular Diseases
University of Washington
Seattle, Washington

Public Health Service: 1982-1984 Lieutenant, Commissioned Corps
US Public Health Service
Indian Health Service
Gallup, New Mexico
Ft. Yates, North Dakota

Academic Faculty Appointments:

1979-1982 Clinical Fellow in Medicine
Harvard Medical School
Boston, Massachusetts

1986-1987 Acting Instructor in Medicine
University of Washington
Seattle, Washington

1987-1989 Acting Assistant Professor in Medicine
University of Washington
Seattle, Washington

1989-2000 Clinical Assistant Professor in Medicine
University of Washington
Seattle, Washington

Hospital and Administrative Appointments:

1982-1984 Medical Director
Special Observation Unit
(Intensive Care Unit)
Gallup Indian Medical Center
Gallup, New Mexico

1982-1984 Medical Director
Respiratory Therapy
Gallup Indian Medical Center
Gallup, New Mexico

1982-1984	Staff Internist Gallup Indian Medical Center Gallup, New Mexico
1986-1988	Attending Transplant Cardiologist Heart Transplantation Service University of Washington Seattle, Washington
1988-1989	Staff Cardiologist Pacific Medical Center Seattle, Washington
1989-1999	Private Practice Cardiovascular Diseases & Internal Medicine Seattle, Washington
1987-2000	Staff Cardiologist University of Washington Medical Center Seattle, Washington
1991-2001	Staff Cardiologist Swedish Hospital Medical Center Seattle, Washington
1993-1998	Consultant Cardiologist Fircrest School Department of Health and Human Services State of Washington Seattle, Washington
1998-1999	Director of Biomedical Research Merle West Center for Medical Research Klamath Falls, Oregon
1998-1999	Member, Institutional Review Board Merle West Medical Center Klamath Falls, Oregon
1991-2001	Medical Director Aesclepios, Inc. Seattle, Washington

2001-2004 Physician
Mount Rainier Clinic
Yelm, Washington

Specialty Certification: 1982 American Board of
Internal Medicine

1987 American Board of
Internal Medicine
Cardiovascular Diseases

Awards, Honors and Membership in Honorary Societies:

1975 Phi Beta Kappa
(University of New Mexico)

1976 National March of Dimes
Research Award

1977 Public Health Service
Scholarship Award

1978 Albuquerque and Bernalillo
County Medical Society
Scholarship Award

1979 Alpha Omega Alpha
(University of New Mexico)

1985 American Heart Association of Washington
Fellowship Award

Selected Clinical Research Activity:

2006-2009 Co-investigator, Probiotics to Reduce Immunosuppression-Associated
Diarrhea Following Kidney Transplantation A Prospective Double-
Blinded Randomized Placebo-Controlled Trial.

- 2006-2008 Co-investigator, The Efficacy of Myalgasin™ for the Support of Joint Function in Patients with Osteoarthritis of the Knee – A Prospective Randomized Controlled Study
- 1998-1999 Principal Investigator, Klamath Falls Medical Research Inventory, An epidemiological study of chronic diseases in the Klamath basin.
- 1998-1999 Co-investigator, Klamath Basin Diabetes Registry.
- 1998-2000 Co-investigator, Emergency Room Use in a Rural Area by People with Diabetes Mellitus and Secondary Diabetes.
- 1998-1999 Co-investigator, Electromechanical Mapping of the Left Ventricle to Determine Myocardial Viability.
- 1997-1998 Co-investigator, A Double-Blind Randomized, Placebo-Controlled Study to Assess the Effects of Ro 47-0203 (Bosentan) on the Morbidity and Mortality of Patients with Chronic Heart Failure.
- 1995-1997 Co-investigator, The Effects of BMS 180,291 or Placebo on Variant Angina Pectoris.
- 1994-1995 Co-investigator, The Effects of BMS 180,291 or Placebo on Indices of Myocardial Ischemia in Patients with Chronic Stable Angina Pectoris Undergoing Exercise.
- 1994-1995 Co-investigator, Comparison of the Antiischemic Activity of Oral Effects of BMS 180,291, Atenolol or Placebo in Subjects with Coronary Artery Disease Experiencing Episodes of Ambulatory Myocardial Ischemia.
- 1993-1994 Co-investigator, A Comparison of the Effects of Ro 40-5967 Versus Placebo in Patients Receiving Concomitant Nitrate Therapy for Chronic Stable Angina.
- 1992-1993 Co-investigator, Cardizem CD for Chronic Stable Angina Trial, ClinTrials
- 1991-1992 Co-investigator, Transdermal Nitroglycerin for Chronic Stable Angina Pectoris Study

1988-1990 Site coordinator, Pacific Medical Center, Studies on Left Ventricular Dysfunction (SOLVD)

Selected Basic Research Activity:

- 2006-present Developed an oral multienzyme formulation with antibiofilm activity using the Calgary Biofilm Device and the MBEC Physiology and Genetics assay system.
- 1978-1979 Established the first in vitro culture of arterial smooth muscle cells at the University of New Mexico School of Medicine. Evaluated proliferative response of arterial smooth muscle cells from normal and Zucker (model for obesity, diabetes, and hyperlipidemia) rats to incubation with an LDL-cholesterol rich medium.
- 1976 Evaluated the relation of fetal distress indicated by external or internal fetal monitoring to serum creatinine phosphokinase BB isoenzyme activity in umbilical cord serum sampled at delivery.

Advisory Positions and Editorial Boards:

- 2002-2005 Consultant
Aseptica, Inc.
Seattle, Washington
- 2000-2002 Advisory Board, HealthHelper.com
Monterey, California
- 2000 Advisory Board, National Heart Lung and Blood Institute
National Institutes of Health
- 1999-2000 Research Consultant
Joslin Diabetes Clinic at Swedish Hospital Medical Center
Seattle, Washington
- 1999-2000 Consultant
Klamath County Mental Health Department
Klamath Falls, Oregon

1998-1999	Member, Advisory Board Klamath County Department of Public Health Klamath Falls, Oregon
1999-2001	Health Education & Reimbursement Consultant Aventis
1997-2000	Consultant Cardiologist Boston Scientific
1996-1998	Advisor, Speakers Bureau Hoffman-LaRoche, Inc.
1995-1999	Health Education & Reimbursement Consultant Hoechst Marion Roussel
1995-1998	Advisor, King County Public Health Department Natural Medicine Clinic
1995-1996	Editorial Board International Master's Publisher's Inc., "Better Ways to Health"
1994-1996	Editorial Board and Consultant Time-Life Books Inc. "Taking Control of Your Health"
1994-1995	Consultant Office of Alternative Medicine, National Institutes of Health
1991-1995	Health Education & Reimbursement Consultant Marion Merrell Dow, Inc.
1985-1987	Consultant Quinton Instruments

Membership in Professional and Scientific Societies:

National Societies:

American Association for the Advancement of Science

American Medical Informatics Association

Book Chapters, Publications, Papers, and Software:

Olmstead S, Allan N, Omar A, Olson M. Evaluation of nutraceutical enzymes in the treatment of clinically significant gastrointestinal biofilms alone and in combination with relevant antibiotics. (Poster presented at the 5th Annual American Society for Microbiology Biofilm Meetings Nov 2009)

Erner SA, Olmstead SF, Braun JV, Rheault SL, Meiss DM. The efficacy of celery seed, *Boswellia serrata* gum resin, and Phellodendron bark extracts for control of symptoms in patients with osteoarthritis of the knee – a prospective open-label randomized controlled study. (Poster presented at the Scripps Natural Supplements Conference Jan 2009, Abstract in J Altern Comp Med 2009;7:811.)

Olmstead S, Meiss D. Cardiac arrhythmias. In: Kohlstadt I (ed). Food and Nutrients in Disease Management. Boca Raton: CRC Press Taylor & Francis Group; 2009:121-134.

Olmstead SF, Syms M, Calvert J. Strategies for building a rural regional diabetes registry. (Paper presented to the 16th Annual Oregon Rural Health Conference Oct 1999.)

Olmstead SF. A critical review of EDTA chelation therapy in the treatment of occlusive atherosclerotic vascular disease. Klamath Falls, OR: Merle West Medical Center Foundation; 1998.

Olmstead SF. Comprehensive bibliography of EDTA chelation therapy. National Institutes of Health Office of Alternative Medicine and American College for the Advancement of Medicine. 1996.

Olmstead SF, Thiele JE, Fellows CL. Supraventricular dysrhythmias: Diagnosis & therapy: Interactive instructional computer learning. J Am Coll Cardiol 1994:168A.

Olmstead SF, Breen TJ, Schafer S. Risk busters – Lifestyle changes & coronary heart disease. (Demonstration interactive multimedia instructional computer program presented at the Health Sciences Libraries Consortium Computers in Healthcare Education Symposium Apr 1994.)

Olmstead SF, Thiele J. Doc Holiday's Rhythm Casino – Supraventricular tachyarrhythmias & 5 card stud. (Demonstration interactive multimedia instructional computer program presented at the Health Sciences Libraries Consortium Computers in Healthcare Education Symposium Apr 1993.)

McKeown PP, Stewart D, Cohen D, Olmstead S, Allen M, Misbach G, Ivey T. Should surgical standby be mandatory for PTCA? (Paper presented to the 53rd Scientific Assembly of the American College of Chest Physicians Oct 1987.)

Gehly EB, McClaren TR, Kidd PG, Olmstead SF, Gordon D, Allen MD. The utility of cytoimmunological monitoring as a predictor of allograft rejection in cardiac transplant patients. (Paper presented to the Annual Meeting of the Academy of Clinical Laboratory Physicians and Scientists Jun 1987.)

Olmstead SF, Pearlman AS, Janko CL. Identification of prosthetic mitral valve dysfunction: Utility of Doppler parameters. (Paper presented at the 59th Scientific Sessions of the American Heart Association Nov 1986.)

Olmstead SF, Pearlman AS, Otto CM, et al. Forward flow velocities across normal prosthetic heart valves – measurement by Doppler techniques. (Paper presented at the X World Congress of Cardiology Sep 1986.)

Olmstead SF, Pearlman AS, Reamer R, et al. Utility of Doppler echocardiography in prosthetic mitral regurgitation. (Paper presented at the X World Congress of Cardiology Sep 1986.)