

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

TABLE OF CONTENTS

1. Program Agenda
2. Business Meeting Agenda
3. WSAS Strategic Plan
4. WSAS Leadership
5. 2014 President's Report
6. New Members & Citations
7. Guest Students and Sponsors
8. State Science Fairs
9. Speakers
10. Membership Directory
11. WSAS Website and instructions
12. Photo Release
13. Evaluation form

Save The Date!

Executive Board Meeting

Friday, January 9, 2015

9AM – 1PM

8th Annual Symposium

Thursday, September 17th, 2015

Museum of Flight

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

PROGRAM AGENDA

- 8:00 – 12:00 **Registration**
- 8:00 – 9:00 **Continental Breakfast**
- 9:00 – 11:15 **Business Meeting** – Members only
- 9:00 – 10:00 All Member Meeting
- 10:00 – 11:15 Individual Section Meetings
- 11:30 – 12:00 **K-12 Awards and Recognition**
- 12:00 – 1:00 **Lunch (Student Posters)**
- 1:00 – 5:30 **Symposium – Health Disparities in Washington State: Narrowing the Gap**
Symposium Chair: Dr. Nancy Fugate Woods, Professor, Biobehavioral Nursing & Health Systems, University of Washington, and President-Elect, WSAS
- 1:00 – 1:30 **Health Disparities: U.S. and The World**
Dr. Charles Hirschman, Professor, Department of Sociology, University of Washington
- 1:30 – 2:15 **Toward Health Equity in Washington State**
Maxine Hayes, Past Director, Washington State Department of Health
- 2:15 – 3:30 **Panel: Health Disparities and Community Strategies**
Moderator: Dr. Beti Thompson, Professor, Health Services, Fred Hutchinson Cancer Research Center
- 2:15 – 2:25 **Health Disparities: African American**
Dr. Ben Danielson, Medical Director, Odessa Brown Clinic
- 2:25 – 2:35 **Health Disparities: American Indians**
Mr. Ralph Forquera, Executive Director, Seattle Indian Health Board
- 2:35 – 2:45 **Health Disparities: Latino/Hispanic Health**
Dr. Federico Cruz-Urbe, Vice President of Clinical Affairs, SEAMAR Community Health Centers
- 2:45 – 2:55 **Health Disparities: Asian/Pacific Islanders**
Dr. Anthony Chen, Director, Tacoma Pierce County Health Department
- 2:55 – 3:30 **Panel Discussion; Q & A**
- 3:30 – 4:00 **Break**
- 4:00 – 4:30 **Strategies for Narrowing the Gap: Policy Initiatives**
Dr. Bob Crittenden, Senior Health Policy Advisor, Office of the Governor
- 4:30 – 5:00 **Strategies for Narrowing the Gap: Research**
Dr. Dedra S. Buchwald, Professor, Epidemiology, University of Washington
- 5:00 – 5:30 **Income Inequality and Health in Washington State**
Concluding Remarks
Dr. Donald Patrick, Professor, Health Services, University of Washington
- 5:30 – 6:15 **Induction of New Members**
- 6:15 – 7:00 **Reception**
- 7:00 – 9:00 **Dinner**

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

BUSINESS MEETING AGENDA

Thursday, September 18, 2014 - 8:00 to 11:15 AM
Museum of Flight, Seattle

9:00 am Welcome and Introductory Remarks
Subhash Singhal, President

Secretary's Report
Curt Graeber, Secretary

Treasurer's Report
Eugene Nester, Treasurer

WSAS Strategic Plan and FY15 Action Plan
Ron Thom

K-12 Activities Committee Report
Pinky Nelson, K-12 Activities Committee Member

Introduction of New Officers and Board Members
Subhash Singhal, President

Membership Committee Report and Section Meetings
Earll Murman, Membership Committee Chair

Discussion and Q & A

10:00 am Section Meetings
Section 1: Sue Clark, Chair, Skyline Room
Section 2: David McAlees, Chair, Skyline Room
Section 3: Joe Pooviah, Chair, Barnstormer Room
Section 4: David Eaton, Chair, Skyline Room
Section 5: Charles Hirschman, Chair, Skyline Room

11:15 am Adjourn

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

WSAS LEADERSHIP 2014-2015

Officers

Nancy F. Woods, President, University of Washington
Allan Konopka, President-Elect, Pacific Northwest National Laboratory
R. Curtis Graeber, Secretary, The Boeing Company, (retired)
Eugene Nester, Treasurer, University of Washington, (emeritus)
Subhash Singhal, Past-President, Pacific Northwest National Laboratory

Board members

Philip Bernstein, Microsoft Research
Anjan Bose, Washington State University
Sue Clark, Washington State University
David Eaton, University of Washington
Kristina Katsaros, Northwest Research Associates, (emeritus)
Thomas Marsh, Washington State University
Earll Murman, Massachusetts Institute of Technology, (emeritus)
George "Pinky" Nelson, Western Washington University
Donald Patrick, University of Washington
Andy S. Stergachis, University of Washington
Ronald Thom, Pacific Northwest National Laboratory
Usha Varanasi, University of Washington

WSAS Committees

Executive Committee, Nancy Woods, Chair
Finance Committee, Eugene Nester, Chair
Membership Committee, Earll Murman
K-12 Activities Committee, James Krueger, Chair
2014 Annual Meeting Committee, Allan Konopka, Chair
Study Oversight Committee, Anjan Bose, Chair
Nominations Committee for Election of Officers, Subhash Singhal, Chair

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

NEW MEMBERS

New members inducted into the Washington State Academy on September 18, 2014

Members inducted as 2014 electees

Section 1 – Physical and Mathematical Sciences

Donald R. Baer	Laboratory Fellow, Pacific Northwest National Laboratory
Bradley R. Colman	Principal Program Manager, Microsoft
Alvin L. Kwiram	Emeritus Professor of Chemistry, University of Washington

Section 2 – Engineering and Technology

Alain Bonneville	Laboratory Fellow, Pacific Northwest National Laboratory
Chen-Ching Liu	Boeing Distinguished Professor of Electrical Engineering, Washington State University
Jud W. Virden, Jr.	Associate Laboratory Director, Energy & Environment Directorate, Pacific Northwest National Laboratory

Section 3 – Biological Sciences

Adrienne Fairhall	Associate Professor, Physiology and Biophysics, University of Washington
Andre Eric Punt	Director, School of Aquatic and Fishery Sciences, University of Washington
Robin Waples	Senior Scientist, Northwest Fisheries Science Center; National Oceanic and Atmospheric Administration

Section 4 – Medicine and Health Sciences

George Demiris	Professor, Biobehavioral Nursing & Health Systems, University of Washington
Frederick M. Rieke	Professor, Department of Physiology and Biophysics, University of Washington

Section 5 – Anthropology, Economics, Social and Political Sciences

Ann Bostrom	Weyerhaeuser Endowed Professor of Environmental Policy, University of Washington
John Mark Ellis	Professor of Geography, University of Washington

Members inducted as 2014 members of National Academies

Janice L. Abkowitz	Clemant A. Finch Professor of Medicine, Head, Division of Hematology, Adjunct Professor of Genome Sciences, University of Washington School of Medicine; IOM
Frederick R. Appelbaum	Executive Director, Seattle Cancer Care Alliance; Clinical Research Division, Director, Fred Hutchinson Cancer Research Center; Professor, Medical Oncology Division, University of Washington School of Medicine; IOM
Gary S. Kaplan	Chairman and CEO, Virginia Mason Health System; IOM
Bruce Mark Psaty	Professor, Departments of Medicine, Epidemiology and Health Services; Investigator, University of Washington, Group Health Research Institute, Cardiovascular Health Research Unit; IOM
Eric D'Asaro	Senior Principal Oceanographer, Professor, Oceanography, University of Washington; NAS

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

NEW MEMBER CITATIONS

Section 1 – Physical and Mathematical Sciences

Donald R. Baer **Laboratory Fellow, Pacific Northwest National Laboratory**

Citation: For research and capability development that significantly advances molecular-level understanding of environmentally important interfacial processes relevant to nanoparticle reactivity, mineral dissolution, and stress corrosion cracking.

Bradley R. Colman **Principal Program Manager, Microsoft**

Citation: For scientific leadership within the National Weather Service and in the American Meteorological Society.

Eric D'Asaro **Senior Principal Oceanographer, Professor, Oceanography, University of Washington; NAS**

Citation: For pioneering instrumental, observational, and analytical progress in understanding upper ocean processes, quantifying turbulent fluxes and inertial wave generation and propagation. His unique Lagrangian measurements have been key in testing, and sometimes overturning, theories such as the critical depth hypothesis for the initiation of the Spring phytoplankton bloom.

Alvin L. Kwiram **Emeritus Professor of Chemistry, University of Washington, Emeritus Vice Provost for Research, University of Washington**

Citation: For pioneering development of advanced magnetic resonance technology and supporting theory, for critical scientific and technological leadership at university, state, and federal levels, and for STEM workforce development.

Section 2 – Engineering and Technology

Alain Bonneville **Laboratory Fellow, Pacific Northwest National Laboratory**

Citation: For scientific accomplishments in geological storage of carbon dioxide, marine heat flow, geodynamics of the Pacific Ocean, and intraplate volcanism.

Chen-Ching Liu **Boeing Distinguished Professor of EE and Director of Energy System Innovation Center, Washington State University**

Citation: For the development of restoration procedures from widespread electricity outages after natural disasters, and countermeasures against physical and cyber security threats to the electric grid.

Jud W. Virden, Jr. **Associate Laboratory Director, Energy & Environment Directorate, Pacific Northwest National Laboratory**

Citation: For exceptional contributions, outstanding organizational direction and national and international leadership to solve clean energy challenges in multiple domains through science-based innovation, strong partnerships that move technology to market.

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

NEW MEMBER CITATIONS

Section 3 – Biological Sciences

Adrienne Louise Fairhall Associate Professor with tenure, Physiology and Biophysics Department, University of Washington, and Adjunct Associate Professor, Physics Department, University of Washington

Citation: For widely catalyzing a transition from conventional methods to quantitative and theoretic approaches in the neurobiology community through published work, teachings, and close collaborations with experimental labs.

André Eric Punt Professor, School of Aquatics and Fishery Sciences, University of Washington
Director, School of Aquatic and Fishery Sciences, University of Washington

Citation: For internationally recognized contributions to ecosystem based management, particularly for fish stocks and marine mammals, for formal management procedures, and for application of Bayesian statistics to population dynamics.

Robin Waples Senior Scientist, Northwest Fisheries Science Center, NOAA, Seattle

Citation: For internationally recognized theoretical and applied contributions to conservation genetics of natural populations, and especially for his leadership role in application of the US Endangered Species Act to Pacific salmon.

Section 4 – Medicine and Health Sciences

Janice L. Abkowitz Clemant A. Finch Professor of Medicine, Head, Division of Hematology, Adjunct Professor of Genome Sciences, University of Washington School of Medicine; IOM

Citation: Dr. Abkowitz is a prominent clinician, scientist, and leader in academic hematology. Her major scientific contributions include describing hematopoietic stem cell replication rate and fate decisions in vivo; demonstrating how heme trafficking regulates red cell differentiation and systemic iron homeostasis; and defining the cellular and molecular mechanisms of erythroid marrow failure. As President of the American Society of Hematology, she initiated a novel bridge grant for hematology researchers and is a steadfast supporter of physician-scientists as a critical component of the science workforce.

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

NEW MEMBER CITATIONS

Frederick R. Appelbaum **Executive Director, Seattle Cancer Care Alliance; Clinical Research Division, Director, Fred Hutchinson Cancer Research Center; Professor, Medical Oncology Division, University of Washington School of Medicine; IOM**

Citation: Dr. Appelbaum is an international authority on the biology and treatment of hematologic malignancies. He was the first to show the curative potential of autologous marrow transplantation, a therapy now used in over 30,000 patients annually, and helped develop gemtuzumab ozogamicin, the first antibody-drug conjugate approved by the FDA.

George Demiris **Professor, Biobehavioral Nursing & Health Systems, School of Nursing and Biomedical & Health Informatics, School of Medicine, University of Washington
Director, Clinical Informatics and Patient-Centered Technologies Graduate Program**

Citation: For research and education contributions in medical informatics and nursing, and for interdisciplinary and cross-institutional efforts to test the effectiveness of technology to improve the health of Washington state residents.

Gary S. Kaplan **Chairman and CEO, Virginia Mason Health System; IOM**

Citation: Dr. Kaplan's leadership at Virginia Mason has been recognized by the Harvard Business School as a standard-setting approach to improving cost and quality; he is widely recognized as one of the most influential physician executives in health care. He has developed and led national "market-place collaboratives" with key employers to reduce health costs and dramatically improve both employee productivity and corporate competitiveness.

Bruce Mark Psaty **Professor, Departments of Medicine, Epidemiology and Health Services; Investigator, University of Washington, Group Health Research Institute, Cardiovascular Health Research Unit; IOM**

Citation: Dr. Psaty is among the world's leading and most respected pharmaco-epidemiologists, and a major advocate for scientifically based drug safety and FDA policy. His many publications include important practice changing contributions on the effects of various drugs on cardiovascular outcomes, the potential of using drug-gene interactions to improve outcomes, and the discovery of genetic variants associated with many cardiovascular and aging phenotypes.

Fredrick Martin Rieke **Professor, Department of Physiology and Biophysics, School of Medicine, University of Washington**

Citation: For contributions to visual information processing in the retinal circuit, from rhodopsin isomerization and optimization of synaptic transfer to rapid adaptation during changes of intensity and contrast.

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

NEW MEMBER CITATIONS

Section 5 – Anthropology, Economics, Social and Political Sciences

Ann Bostrom

Weyerhaeuser Endowed Professor of Environmental Policy, Evans School of Public Affairs, University of Washington

Citation: For outstanding research on how people understand and make decisions about risks, which has been influential in informing responses to environmental harms, climate change, nanotechnology, and other risks.

John Mark Ellis

Professor of Geography, Director of the Center for Studies in Demography & Ecology, and Director of the Northwest Census Research Data Center, University of Washington

Citation: For internationally recognized research contributions to the changes in immigrant settlement geography and the dynamics of change in race and ethnic geographies in U.S. cities.

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

NEW MEMBERS

New members inducted into the Washington State Academy on September 18, 2014

Members inducted as 2014 electees

Section 1 – Physical and Mathematical Sciences

Donald R. Baer	Laboratory Fellow, Pacific Northwest National Laboratory
Bradley R. Colman	Principal Program Manager, Microsoft
Alvin L. Kwiram	Emeritus Professor of Chemistry, University of Washington

Section 2 – Engineering and Technology

Alain Bonneville	Laboratory Fellow, Pacific Northwest National Laboratory
Chen-Ching Liu	Boeing Distinguished Professor of Electrical Engineering, Washington State University
Jud W. Virden, Jr.	Associate Laboratory Director, Energy & Environment Directorate, Pacific Northwest National Laboratory

Section 3 – Biological Sciences

Adrienne Fairhall	Associate Professor, Physiology and Biophysics, University of Washington
Andre Eric Punt	Director, School of Aquatic and Fishery Sciences, University of Washington
Robin Waples	Senior Scientist, Northwest Fisheries Science Center; National Oceanic and Atmospheric Administration

Section 4 – Medicine and Health Sciences

George Demiris	Professor, Biobehavioral Nursing & Health Systems, University of Washington
Frederick M. Rieke	Professor, Department of Physiology and Biophysics, University of Washington

Section 5 – Anthropology, Economics, Social and Political Sciences

Ann Bostrom	Weyerhaeuser Endowed Professor of Environmental Policy, University of Washington
John Mark Ellis	Professor of Geography, University of Washington

Members inducted as 2014 members of National Academies

Janice L. Abkowitz	Clemant A. Finch Professor of Medicine, Head, Division of Hematology, Adjunct Professor of Genome Sciences, University of Washington School of Medicine; IOM
Frederick R. Appelbaum	Executive Director, Seattle Cancer Care Alliance; Clinical Research Division, Director, Fred Hutchinson Cancer Research Center; Professor, Medical Oncology Division, University of Washington School of Medicine; IOM
Gary S. Kaplan	Chairman and CEO, Virginia Mason Health System; IOM
Bruce Mark Psaty	Professor, Departments of Medicine, Epidemiology and Health Services; Investigator, University of Washington, Group Health Research Institute, Cardiovascular Health Research Unit; IOM
Eric D'Asaro	Senior Principal Oceanographer, Professor, Oceanography, University of Washington; NAS

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

GUEST STUDENTS AND THEIR SPONSORS

WSAS American Junior Academy of Sciences (AJAS) Award Recipients

Representing Washington at the 2015 Annual AJAS Convention

Students selected for their excellent academic record, with strong scientific merit and a strong interest in science or engineering and research.

Swetha Shutthanandan

*Next Generation Supercapacitor for
Ultra-Fast Energy Harvesting*

Richland High School

Bryce Hackett

*The Effect of Sucralose Solutions on the
Mass and Lifespan of a Red Worm*

Columbia River High School

Finalists for the AJAS Award

Julianna Brutman

Lynnwood High School

Bianca Hoang Dang

Shorecrest High School

Argho Datta

Richland High School

Katherine Landoni

Sequim High School

Karthik Meiyappan

Interlake High School

Reesab Pathak

Camas High School

Sophie Shoemaker

Camas High School

Meera Srinivasan

Interlake High School

Thorsen Wehr

Odessa High School

Intel International Science & Engineering Fair Finalists

Cameron Akker

Redmond High School

Naveena Aishwarya Bontha

Hanford High School

Surabhi Gopal Mundada

Olympia High School

Dyuti Nandy

Newport High School

Reesab Pathak

Camas High School

Alisha Saxena

Interlake High School

Meghal Sheth

Camas High School

Swetha Shutthanandan

Richland High School

Meera Srinivasan

Interlake High School

Anjali Vasisht

Olympia High School

Thorsen Wehr

Odessa High School

Elise Wilson

Sumner High School

We would like to thank these sponsors on behalf of our students, teachers, and mentors!



Proudly Operated by **Battelle** Since 1965

7TH ANNUAL MEETING & SYMPOSIUM

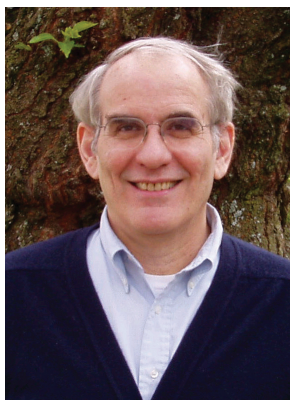
SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

SPEAKERS

HEALTH DISPARITIES IN WASHINGTON STATE:

Symposium Chair: Dr. Nancy Woods, President-Elect, WSA

Dr. Charles Hirschman, Professor, Department of Sociology, University of Washington



Dr. Charles Hirschman is Boeing International Professor in the Department of Sociology and the Daniel J. Evans School of Public Affairs at the University of Washington. He received his BA from Miami University (1965) and his MS (1969) and Ph.D. (1972) from the University of Wisconsin. He taught at Duke University from 1972 to 1981, at Cornell University from 1981 to 1987, and has been at the University of Washington since 1987. In addition to teaching undergraduate and graduate courses on demography, immigration and ethnicity, and Southeast Asia, Hirschman conducts research on immigration and ethnicity in United States and on social change in Southeast Asia. He is the author of *Ethnic and Social Stratification in Peninsular Malaysia* (1975) and is the co-editor of *Southeast Asian Studies in the Balance: Reflections from America* (1992) and *The Handbook of International Migration* (1999). He has also written more than 120 journal articles and book chapters and more than 40 book reviews and other publications. He has been elected President of the Population Association of America (2005), Chair of Section K (Social, Economic, and Political Sciences) of the American Association for the Advancement of Sciences (2004-05), and is an elected fellow of the American Academy of Arts and Sciences and of the American Association for the Advancement of Science. He was a visiting Fulbright professor at the University of Malaya in Kuala Lumpur Malaysia during the 2012-13 academic year and also been a visiting fellow at the Center for Advanced Studies in the Behavioral Sciences (1993-94) and the Russell Sage Foundation (1998-99).

Dr. Maxine Hayes, Past Director, Washington State Department of Health



Maxine Hayes, MD, MPH, served the Washington State Department of Health from December 1, 1988 to December 31, 2013. Sixteen of those years as State Health Officer for the Washington State Department of Health. As the state's top public health doctor, her role included advising the governor and the secretary of health on issues ranging from health promotion and chronic disease prevention, to emergency response, including pandemic influenza preparedness. She also worked closely with the medical community, local health departments and community groups. Prior to her appointment as State Health Officer, Dr. Hayes was the Assistant Secretary of Community and Family in the Department of Health.

She is the recipient of many awards and honors for her work in maternal and child health, including the American Medical Association's 2002 Dr. Nathan Davis Award and the 2003 Heroes in Health Care Lifetime Achievement Award through the Washington Health Foundation. In November

of 2007 she received the APHA Helen Rodriguez-Trias Social Justice Award. In January of 2014 she received the Vince Hutchins Award for leadership in Maternal and Child Health.

Dr. Hayes is Clinical Professor of Pediatrics at the University of Washington School of Medicine and Clinical Professor of Health Services at the University of Washington School of Public Health in Seattle. She holds two honorary Doctorates Degrees: one from Spelman College and one from the State University of New York.

Dr. Hayes is a fellow of the American Academy of Pediatrics. Dr. Hayes was elected to the Institute of Medicine (IOM), October 2006.

Dr. Beti Thompson, Professor, Health Services, Fred Hutchinson Cancer Research Center



Dr. Thompson's research is designed to understand why these disparities exist, help determine the precursors to cancer, and build the capacity of community-based researchers to investigate, educate, and treat local populations in order to improve early detection and survival rates. Much of Dr. Thompson's previous and current work focuses on the Latino population, with a specific emphasis on cancer prevention and cancer screening for breast, cervical, and colorectal cancers.

Dr. Thompson has written many papers and chapters on community organization as a strategy for developing community partnerships. She is involved in a number of studies in which communities are randomized to intervention or comparison conditions for various health promotion projects, including diabetes, dietary change, cancer screening, and environmental strategies to encourage behavior change.

Dr. Thompson's focus on health disparities research is exemplified by a number of projects, including "Hispanic Community Network to Reduce Cancer Disparities" and "Partnership for a Hispanic Diabetes Prevention Program." Both of these projects take place in the Yakima Valley of Washington State. The projects work with local Community Advisory Boards to guide and lead the activities to reduce health disparities of cancer and diabetes.

Dr. Ben Danielson, Medical Director, Odessa Brown Clinic



Dr. Benjamin Danielson has always been a firm believer in social justice, with a passion for a career in medicine. As a student at the University of Washington, School of Medicine (UWSOM), he benefited greatly from the support and mentorship provided to him by the staff of the Office of Multicultural Affairs and the Health Careers Opportunity Program (HCOP). His participation in HCOP helped solidify his medical aspirations, and his dedication to eliminating health disparities among minority communities has never wavered. After graduating from UWSOM in 1992, Dr. Danielson is now serving as Medical Director of the Odessa Brown Children's Clinic and actively mentors minority medical students as a preceptor-teacher. Dr. Danielson is a true role model and mentor, and is actively committed to helping to increase diversity in the health professions and eliminating health disparities among racial and ethnic groups.

Mr. Ralph Forquera, Executive Director, Seattle Indian Health Board


Ralph Forquera (pronounced Four-Care-Uh) is Executive Director for the Seattle Indian Health Board and the Director of the Urban Indian Health Institute, a division of the Health Board created to document health disparities among urban American Indians and Alaska Natives. A member of the Juaneño (pronounced Juan-N-Yo) Band of California Mission Indians, Mr. Forquera holds a Bachelor of Science degree from San Diego State College and a Masters in Public Health degree (MPH) from California State University, Northridge. He has a faculty appointment as a Clinical Assistant Professor with the University of Washington, School of Public Health Department of Health Services. He has worked in the health field since 1971 and held a variety of local, state, and national leadership, advisory, and management roles.

Dr. Federico Cruz-Urbe, Vice President of Clinical Affairs, SEAMAR Community Health Centers


Federico Cruz-Urbe, MD, MPH, has had a 25-year career in public health. He has managed public health departments in four states at the local and state levels. Most recently, Dr. Cruz-Urbe was the director of the Tacoma/Pierce County Health Department for 15 years (1992-2007). From 2008 to 2013, he and his wife established and ran a diabetes control project in southern Nicaragua. For the last 12 months, Dr. Cruz-Urbe has been working as the Vice President of Clinical Affairs for Sea Mar Community Health Centers based in Seattle. His current projects involve developing specialty care services and a care management system for Sea Mar.

Dr. Anthony Chen, Director, Tacoma Pierce County


Anthony Chen is a family physician and Director of Health of the Tacoma-Pierce County Health Department. He has strong interests in community health planning and program development, quality and systems improvement, access to healthcare, and cross-cultural medicine and cultural competency in healthcare.

He grew up in Southeast Asia and the Pacific before attending boarding school in New Hampshire and the University of Michigan. After medical school at Duke University, he completed Family Medicine residency at the University of Cincinnati followed by a Faculty Development Fellowship at Duke University.

After three years in the Chicago area, Dr. Chen moved to Seattle where he practiced comprehensive family medicine for 12 years in public health and community clinic settings while participating in family medicine education in various capacities. He also held leadership roles in local and national efforts on hepatitis B immunization and liver cancer prevention in Asians and other community issues.

In 2005, he moved to Boston to complete the Commonwealth Fund/Harvard University Fellowship in Minority Health Policy and obtain a Masters of Public Health at Harvard School of Public Health. From 2006 to 2008, he worked in clinical care, administration, and community programs at a large public health care system while teaching at the Tufts University Family Medicine Residency Program and Harvard Medical School.

In October 2008, Dr. Chen returned to the Puget Sound area as the Director of Health of the Tacoma-Pierce County Health Department. He serves on several state and national public health committees; regional planning bodies; and local, state, and congressional district committees on healthcare access and reform. He remains involved in teaching with the Madigan Army Medical Center Public Health Residency, the University of Washington School of Public Health, the University of Washington Tacoma Nursing Program, and Pacific Lutheran University School of Nursing. He is actively engaged in oversight of and research through the Washington Public Health Practice-Based Research Network. His community service includes participation in Rotary Club of Tacoma No. 8 and the boards of United Way of Pierce County and Tacoma Goodwill Industries.

Dr. Bob Crittenden, Senior Health Policy Advisor, Office of the Governor



Bob is the Senior Health Policy Advisor to Governor Inslee. He is a Family Physician having practiced for 38 years with underserved populations in central Seattle. He staffed the Commission that developed the Basic Health Plan, was a legislative Fellow with Senator George Mitchell of Maine, was Special Assistant for Health for Governor Booth Gardner, and founded and led the Herndon Alliance for eight years. He also founded and directed a clinic in Rainier Beach that is now a Community Health Center. He founded and directed the Family Medicine Service at Harborview Medical Center. He has been a USPHS, RWJF and Soros Fellow at different times. He is a Professor in the Departments of Family Medicine and Health Services at the University of Washington.

His current work focuses on expanding access to affordable care and health system improvements including improved purchasing, mental health integration and community integration.

Dr. Dedra S. Buchwald, Professor, Epidemiology, University of Washington



Dr. Dedra S. Buchwald is a Professor of Medicine at the University of Washington School of Medicine and Director of the Center for Clinical and Epidemiological Research. She received her M.D. from the University of California, San Diego, and trained at North Carolina Memorial Hospital, Duke University, and Harvard Medical School. Her interests lie in the interface between the psychosocial and biological aspects of illness. She has also had a longstanding interest in refugee health care and cross-cultural care.

In close collaboration with the American Indian and Alaska Native Programs at the University of Colorado Health Sciences Center, Dr. Buchwald has developed a program of culturally appropriate research that spans a wide range of topics, including physical and mental health, career development and training, and health care services and use. She is involved in several R01s and four program projects that address medical issues in Native communities. Dr. Buchwald is the Director of the

NIA-funded Native Investigator Development Program, a 2-year career training program for American Indian and Alaska Native postdoctoral fellows designed to increase the number of independent Native researchers.

Dr. Donald Patrick, Professor, Health Services, University of Washington



Professor Donald Patrick is an international expert in health outcomes in both population health and clinical applications and has analyzed and interpreted health disparities for many minority populations, including people with disabilities, African Americans, and Latinos. He is Professor of Health Services at the University of Washington and holds appointments in Sociology, Epidemiology, Pharmacy, and Rehabilitation Medicine. Dr. Patrick is a Full Member of the Fred Hutchinson Cancer Research Center, directs the Seattle Quality of Life Group (www.seaqolgroup.org) and works on projects funded by the National Institutes of Health, AHRQ, and Industry. He is a member of the Institute of Medicine and is actively involved in Task Forces and other work for both the International Society for Quality of Life Research, for which he was inaugural president, and the International Society for

Pharmacoeconomics and Outcomes Research, who conferred on him the Donabedian lifetime achievement award in 2012. Dr. Patrick is author of numerous articles and monographs, a classic book written with Pennifer Erickson entitled *Health Status and Health Policy* and a book with Richard Deyo entitled *Hope or Hype: The Obsession with Medical Advance and the High Cost of False Promises*.

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

WASHINGTON STATE SCIENCE FAIRS & SYMPOSIA

Members of the Washington State Academy of Sciences are encouraged to attend and participate (e.g. as a judge or a student mentor) in the activities of the various annual state fairs and symposia. Following is a listing of such events and contact persons:

Mid-Columbia Regional Science and Engineering Fair
(<http://www.mcsf.net/>)

Kennewick, WA

March

Joyce Stark, Fair Director

Phone: 509 837-2601; E-mail: director@mcsf.net

Larry Chick, Judging Director

Phone: 509-375-2145; E-mail: larry.chick@pnl.gov

South Science Regional Science Fair (<http://www.plu.edu/scifair/>)

Pacific Lutheran University, Tacoma, WA

March - April

Steve Colgan, Fair Director

Phone: 253-535-7148; E-mail: colgansj@plu.edu

Central Sound Regional Science and Engineering Fair
(<http://scidiv.bellevuecollege.edu/sami/scifair/>)

Bellevue College, WA

March

Kent Short, Fair Director

Phone: 425-564-3055; E-mail: jennifer.pang@bellevuecollege.edu or sami@bellevuecollege.edu

Southwest Washington Science & Engineering Fair

Vancouver, WA

February - March

Carol Ramsey, Fair Director; E-mail: carolramsey1@comcast.net

Washington State Science and Engineering Fair
(<http://www.wssef.org/>)

Bremerton, WA

March - April

Michael Huey, President

Lois Jane Lugg, Fair Director;

E-mail: ljlugg@bpa.gov

Gary Foss, Educational Outreach Chairman

E-mail: gary.c.foss@boeing.com

Washington Junior Science and Humanities
Symposium (<http://wjshs.org/>)

Seattle Pacific University, Seattle, WA

March

Ray Myers, Director

Phone: 206-218-8830; E-mail: remyers@spu.edu

Northwest BioExpo (<http://nwabr.org/teachers/student-bio-expo-teachers/about-expo>)

Janis Wignall, Expo Director

E-mail: bioexpo@nwabr.org

Phone: 206-957-3337

WSU Imagine Tomorrow
<http://imagine.wsu.edu/>

Pullman, WA

May

M. Grant Norton, Professor, College of Engineering and Architecture, and Honors College Dean, WSU;
Email: norton@mme.wsu.edu

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

EVALUATION FORM

The officers and planning committee of WSAS thank you for your participation in the seventh annual meeting at The Museum of Flight. Our intention was to conduct both a substantive business meeting and a timely technical program that would advance the mission of the Academy to serve Washington State.

We greatly appreciate your feedback on the 2014 annual meeting, and we will use your opinion in planning for WSAS events in the future.

Please rate the following items on a scale of 0-4 about how you felt about the different aspects of the meeting, and leave it with one of the WSAS officers, board members, or staff.

0=Not applicable, **1**=Unsatisfied, **2**=Satisfied, **3**=Highly satisfied, **4**=Exceeded expectations

☐

Business Meeting

Please write in your number rating on a scale of 0 to 4.

Comments: _____

☐

Symposium

Please write in your number rating on a scale of 0 to 4.

Comments: _____

☐

Reception & Dinner

Please write in your number rating on a scale of 0 to 4.

Comments: _____

☐

Venue/Room Arrangements/AV

Please write in your number rating on a scale of 0 to 4.

Comments: _____

☐

Food & Beverages

Please write in your number rating on a scale of 0 to 4.

Comments: _____

☐

Registration & Event Management

Please write in your number rating on a scale of 0 to 4.

Comments: _____

Additional Comments:

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

PHOTO RELEASE

Photo Release: I grant to the Washington State Academy of Sciences (WSAS) the right to take photographs of me participating in the above-identified event. I authorize WSAS, its assigns and transferees to copyright, use and publish the same in print and/or electronically. I agree that WSAS may use such photographs of me with or without my name and for any lawful purpose, including for example such purposes as publicity, illustration, advertising, and Web content.

I have read and understand the above.

Signature _____

Print name and date _____

7TH ANNUAL MEETING & SYMPOSIUM

SEPTEMBER 18, 2014 | MUSEUM OF FLIGHT, SEATTLE, WA

MEMBERSHIP PROFILE UPDATE INSTRUCTIONS

The Academy is in the process of updating both its data and photo member databases. We would like to invite you to use one of the two options below to update your membership profile.

Option 1: Online Membership Profile change instructions

If you would like to personally make changes to your directory membership profile, you can access your information by logging in. First time log-in instructions are below.

INSTRUCTIONS:

Log in with your email address with the assigned universal password, **science!** at <http://thewashingtonstateacademyofsciences.wildapricot.org/Sys/Profile>

Once you have logged in, you can edit your profile and add your portrait photo by clicking on the "Edit profile" button. To personalize your password click on the "Change password" link in the upper right corner of the masthead once you have logged in.

Option 2: Membership Profile change form

If you would like the WSAS staff to make changes to your directory membership profile listing, please fill out the form below and send a current photo in jpeg format, 300 dpi to wsas.programs@wsu.edu.

NAME _____

TITLE _____

AFFILIATION _____

ADDRESS _____

EMAIL _____

PHONE _____