Members of the Washington State Academy of Sciences represent a broad diversity of scientific disciplines and draw on experience in academia, government, and both non-profit and commercial sectors. Similar to the National Academies of Sciences, Engineering and Medicine, the membership provides expert scientific and technical advice to inform public policymaking in the State of Washington.
**Nancy Allbritton**  
*Professor of Bioengineering*  
*University of Washington*  
Section 2: Engineering and Technology  
Inducted to WSAS 2020  
Field(s) of Expertise: Biomedical Microdevices

**Donald R. Baer**  
*Laboratory Fellow Emeritus*  
*Pacific Northwest National Laboratory*  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2014  
Field(s) of Expertise: Chemical Physics

**Russell Allgor**  
*Chief Scientist, Global Delivery Services*  
*Amazon*  
Section 2: Engineering and Technology  
Inducted to WSAS 2021  
National Academy of Engineering (NAE), 2021  
Field(s) of Expertise: Industrial, Manufacturing, and Operational Systems; Chemical Engineering

**Joel Baker**  
*Professor and Port of Tacoma Chair in Environmental Sciences, and Science Director of the Urban Waters Center*  
*University of Washington*  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2021  
Field(s) of Expertise: Environmental Chemistry and Engineering; Assessment, Modeling, and Restoration of Urban Water

**Thomas E. Anderson**  
*Warren Francis and Wilma Kolm Bradley Chair in Computer Science and Engineering*  
*University of Washington*  
Section 2: Engineering and Technology  
Inducted to WSAS 2016  
National Academy of Engineering (NAE), 2016  
Field(s) of Expertise: Computer Science

**Nathan Baker**  
*Laboratory Fellow*  
*Pacific Northwest National Laboratory*  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2020  
Field(s) of Expertise: Data Science, Applied Mathematics

**E. Virginia Armbrust**  
*Director and Professor, School of Oceanography*  
*University of Washington*  
Section 3: Biological Sciences  
Inducted to WSAS 2012  
Field(s) of Expertise: Genomics and Ecology of Marine Diatoms

**Amit Bandyopadhyay**  
*Herman and Brita Lindholm Endowed Chair Professor*  
*Washington State University*  
Section 2: Engineering and Technology  
Inducted to WSAS 2017  
Field(s) of Expertise: Materials Science and Engineering, Manufacturing

**Steven Flynn Ashby**  
*Laboratory Director*  
*Pacific Northwest National Laboratory*  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2013  
Field(s) of Expertise: Computational Science

**Francois Baneyx**  
*Vice Provost for Innovation, Director of CoMotion, Charles W.H. Matthaei Professor of Chemical Engineering*  
*University of Washington*  
Section 2: Engineering and Technology  
Inducted to WSAS 2016  
Field(s) of Expertise: Synthetic Biology, Nanotechnology, Molecular Engineering, and Materials Science

**Brian F. Atwater**  
*Geologist*  
*U.S. Geological Survey*  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 2007  
Field(s) of Expertise: Geological Histories of Earthquakes, Tsunamis, and Floods
Gustavo V. Barbosa-Cánovas  
*Professor of Food Engineering; Director for Nonthermal Processing of Food*  
*Washington State University*  
Section 2: Engineering and Technology  
Inducted to WSAS 2015  
Field(s) of Expertise: Food Engineering

Celestina Barbosa-Leiker  
*Vice Chancellor for Research*  
*Washington State University*  
Section 4: Health Sciences  
Inducted to WSAS 2019  
Field(s) of Expertise: Addiction

James M. Bardeen  
*Professor Emeritus*  
*University of Washington*  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2012  
National Academy of Sciences (NAS), 2012  
Field(s) of Expertise: General Relativity and Cosmology

Suresh Baskaran  
*Director, Research Partnerships*  
*Pacific Northwest National Laboratory*  
Section 2: Engineering and Technology  
Inducted to WSAS 2016  
Field(s) of Expertise: Energy, Transportation

Timothy V. Baszler  
*Professor and Executive Director*  
*Washington State University*  
Section 4: Health Sciences  
Inducted to WSAS 2020  
Field(s) of Expertise: Infectious Diseases, Veterinary Pathology

Katherine Beckett  
*Professor, Sociology & Law, Societies, Justice Program*  
*University of Washington*  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2016  
Field(s) of Expertise: Sociology, Criminal Justice

Shirley A. A. Beresford  
*Professor Emerita*  
*University of Washington*  
Section 4: Health Sciences  
Inducted to WSAS 2015  
Field(s) of Expertise: Epidemiology

Bobbie Berkowitz  
*Dean and Professor Emerita*  
*Columbia University School of Nursing*  
Section 4: Health Sciences  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 2002  
Field(s) of Expertise: Public Health, Health Disparities

Philip A. Bernstein  
*Distinguished Scientist*  
*Microsoft Research*  
Section 2: Engineering and Technology  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 2003  
Field(s) of Expertise: Computer Science (Data Management and Distributed Computing)

Thomas E. Besser  
*Professor Emeritus*  
*Washington State University*  
Section 4: Health Sciences  
Inducted to WSAS 2010  
Field(s) of Expertise: Agents that cause Human Food-borne Diseases

Peter Bethell  
*Senior Principal – Mineral Processing*  
*Marshall Miller and Associates*  
Section 2: Engineering and Technology  
Inducted to WSAS 2019  
National Academy of Engineering (NAE), 2014  
Field(s) of Expertise: Mineral Processing
Sue Biggins  
Associate Director, Division of Basic Sciences and Investigator, HHMI  
Fred Hutchinson Cancer Research Center, HHMI  
Section 4: Health Sciences  
Inducted to WSAS 2015  
National Academy of Sciences (NAS), 2015  
Field(s) of Expertise: Genetics

Susmita Bose  
Herman and Brita Lindholm Endowed Chair Professor  
Washington State University  
Section 2: Engineering and Technology  
Inducted to WSAS 2017  
Field(s) of Expertise: Biomaterials, 3D Printing, Bone Implants and Drug Delivery

Cecilia M. Bitz  
Professor, Department of Atmospheric Sciences  
University of Washington  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2015  
Field(s) of Expertise: Atmospheric Sciences

Ann Bostrom  
Weyerhaeuser Endowed Professor of Environmental Policy  
University of Washington  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2014  
Field(s) of Expertise: Risk Perception and Communication

P. Dee Boersma  
Wadsworth Endowed Chair in Conservation Science  
University of Washington  
Section 3: Biological Sciences  
Inducted to WSAS 2011  
Field(s) of Expertise: Sea Bird Reproduction

Theodore W. Bowyer  
Laboratory Fellow  
Pacific Northwest National Laboratory  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2013  
Field(s) of Expertise: Nuclear Physics

Cathryn Booth-LaForce  
Professor, Child, Family, and Population Health Nursing  
University of Washington  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2012  
Field(s) of Expertise: Effects of Environmental Inputs on the Development of Children

Michael Bragg  
Dean Emeritus and Professor of Aeronautics and Astronautics  
University of Washington  
Section 2: Engineering and Technology  
Inducted to WSAS 2018  
Field(s) of Expertise: Aerodynamics, Flight Mechanics, Aircraft Icing

Kelly A. Brayton  
Professor of Microbial Genomics  
Washington State University  
Section 3: Biological Sciences  
Inducted to WSAS 2020  
Field(s) of Expertise: Vector-Borne Disease

Christopher Bretherton  
Michael Wold and Anne Dinning Professor of Atmospheric Science and Applied Mathematics  
University of Washington  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2019  
National Academy of Sciences (NAS), 2019  
Field(s) of Expertise: Climate Modeling
Don E. Brownlee  
*Professor of Astronomy*  
**University of Washington**  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2010  
National Academy of Sciences (NAS), 1995  
Field(s) of Expertise: Origin and Evolution of Planetary Materials, Planets and Planetary Systems

John A. Browse  
*Regents Professor of Biochemistry and Molecular Plant Sciences*  
**Washington State University**  
Section 3: Biological Sciences  
Inducted to WSAS 2018  
Field(s) of Expertise: Plant Biochemistry

Dedra Stefanie Buchwald  
*Professor, Elson S. Floyd School of Medicine*  
**Washington State University**  
Section 4: Health Sciences  
Inducted to WSAS 2015  
Field(s) of Expertise: Epidemiology

Elizabeth Buffalo  
*Associate Professor, Department of Physiology and Biophysics*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2016  
Field(s) of Expertise: Memory and Cognition

Morris Bullock  
*Laboratory Fellow and Director, The Center for Molecular Electrocatalysis*  
**Pacific Northwest National Laboratory**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2018  
Field(s) of Expertise: Chemistry, Homogeneous Catalysis, Molecular Electrocatalysis

Krzysztof Burdzy  
*Professor of Mathematics*  
**University of Washington**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2013  
Field(s) of Expertise: Probability Theory and Related Problems in Mathematical Analysis, Combinatorics and Dynamical Systems

Douglas Call  
*Professor of Molecular Epidemiology*  
**Washington State University**  
Section 4: Health Sciences  
Inducted to WSAS 2017  
Field(s) of Expertise: Microbiology

Allison A. Campbell  
*Director*  
**Pacific Northwest National Laboratory**  
(retired)  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2013  
Field(s) of Expertise: Developing Capability and Program Development, Biomimetics

Charles T. Campbell  
*B. Seymour Rabinovitch Endowed Chair in Chemistry*  
**University of Washington**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2013  
Field(s) of Expertise: Development of Chemical Catalysts and Techniques for Characterizing Material Surfaces

Richard F. Catalano, Jr.  
*Professor, Co-Founder, Social Development Research Group*  
**University of Washington**  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2013  
Field(s) of Expertise: Youth Development, Study and Prevention of Behavioral Health Problems
Charles Chavkin
Allan and Phyllis Treuer Endowed Chair in Pain Research and Professor of Pharmacology
University of Washington
Section 4: Health Sciences
Inducted to WSAS 2012
Field(s) of Expertise: Molecular Basis of Drug Addiction

Xiangli Chen
Senior Advisor
McKinsey & Company
Section 2: Engineering and Technology
Inducted to WSAS 2018
National Academy of Engineering (NAE), 2017
Field(s) of Expertise: Innovation Strategy, Product Management, Industrial Laser Applications

Lili Cheng
Corporate Vice President and Distinguished Engineer, Microsoft AI and Research
Microsoft Corporation
Section 2: Engineering and Technology
Inducted to WSAS 2021
National Academy of Engineering (NAE), 2021
Field(s) of Expertise: Human-Computer Interaction

Sapna Cheryan
Professor of Psychology
University of Washington
Section 5: Social and Behavioral Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Psychological and Cognitive Sciences

Dianne Chong
Vice-President, Engineering, Operations & Technology
The Boeing Company (retired)
Section 2: Engineering and Technology
Inducted to WSAS 2012
National Academy of Engineering (NAE), 2017
Field(s) of Expertise: Materials Engineering and Manufacturing

Dimitri Christakis
Director, Center for Child Health, Behavior, and Development
Seattle Children’s Research Institute
Section 4: Health Sciences
Inducted to WSAS 2018
Field(s) of Expertise: Pediatrics, Child Development, Health Services, Health Policy

Brad R. Colman
Director of Science
The Climate Corporation
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2014
Field(s) of Expertise: Pacific Northwest Weather and Weather Prediction

R. James Cook
Professor Emeritus and Endowed Chair in Wheat Research
Washington State University
Section 3: Biological Sciences
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1993
Field(s) of Expertise: Plant Pathology

Brandi Cossairt
Professor of Chemistry
University of Washington
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Chemistry; Nanoscience

Larry R. Dalton
B. Seymour Rabinovitch Chair in Chemistry and George Kauffman Professor of Electrical Engineering
University of Washington
Section 2: Engineering and Technology
Inducted to WSAS 2012
Field(s) of Expertise: Advancement of Sub-Wavelength Photonics by Integrating Electro-optic Materials with Silicon Photonics and Plasmonics
Thomas Daniel  
*Professor of Biology and Komen Endowed Chair*  
**University of Washington**  
Section 3: Biological Sciences  
Inducted to WSAS 2012  
Field(s) of Expertise: Neuromuscular Control of Animal Locomotion, Biomechanics, and Neural Engineering

Jacqueline E. Darroch  
*Senior Fellow*  
**Guttmacher Institute**  
Section 4: Health Sciences  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 1995  
Field(s) of Expertise: Social Demography

Trisha Davis  
*Professor and Chair, Department of Biochemistry*  
**University of Washington**  
Section 3: Biological Sciences  
Inducted to WSAS 2015  
Field(s) of Expertise: Protein Interactions

James J. De Yoreo  
*Chief Scientist, Materials Synthesis and Simulations*  
**Pacific Northwest National Laboratory**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2015  
Field(s) of Expertise: Experimental Physics

George Demiris  
*PIK (Penn Integrates Knowledge) University Professor*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2014  
Field(s) of Expertise: Clinical Informatics, Aging and Technology

Li Deng  
*Chief Artificial Intelligence Officer*  
**Citadel America LLP**  
Section 2: Engineering and Technology  
Inducted to WSAS 2019  
Field(s) of Expertise: Artificial Intelligence

Don A. Dillman  
*Regents Professor and Deputy Director, Social and Economic Sciences Research Center*  
**Washington State University**  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2010  
Field(s) of Expertise: Sociology

Cynthia Dougherty  
*Professor, Biobehavioral Nursing and Health Systems*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2016  
Field(s) of Expertise: Cardiology

Glen Duncan  
*Professor and Chair, Department of Nutrition and Exercise Physiology*  
**Washington State University**  
Section 4: Health Sciences  
Inducted to WSAS 2021  
Field(s) of Expertise: Exercise Physiology; Epidemiology, Spatial Epidemiology, and Twin Methods

Susan Dumais  
*Technical Fellow and Director of Microsoft Research Labs in New England, New York City and Montreal*  
**Microsoft Research**  
Section 2: Engineering and Technology  
Inducted to WSAS 2011  
National Academy of Engineering (NAE), 2011  
Field(s) of Expertise: Information Retrieval, Web Search, Human–Computer Interaction

Kristie Ebi  
*Professor, The Center for Health and the Global Environment*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2021  
Field(s) of Expertise: Climate Variability, Change, and Health/Risks and Responses; Co-Benefits of Mitigation Policies and Technologies
Evan Eichler  
*Professor of Genome Sciences*  
*University of Washington*  
Section 3: Biological Sciences  
Inducted to WSAS 2012  
National Academy of Sciences (NAS), 2012  
Field(s) of Expertise: Genome Science

Elaine Faustman  
*Professor and Director, The Institute for Risk Analysis and Risk Communication*  
*University of Washington*  
Section 4: Health Sciences  
Inducted to WSAS 2019  
Field(s) of Expertise: Toxicology

Robert N. Eisenman  
*Member, Division of Basic Sciences*  
*Fred Hutchinson Cancer Research Center*  
Section 4: Health Sciences  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1998  
Field(s) of Expertise: Molecular Genetics of Cancer

Joseph Felsenstein  
*Professor, Department of Genome Sciences and Department of Biology*  
*University of Washington*  
Section 4: Health Sciences  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1999  
Field(s) of Expertise: Evolutionary Biology

Christopher J. Elias  
*President, Global Development*  
*Bill and Melinda Gates Foundation*  
Section 4: Health Sciences  
Inducted to WSAS 2013  
National Academy of Medicine (NAM), 2013  
Field(s) of Expertise: Improving Global Health by Ensuring that Innovations in Science and Technology are Available to Low Income Groups and Developing Countries

Stanley Fields  
*Professor, Department of Genome Sciences and Department of Medicine; Investigator, Howard Hughes Medical Institute*  
*University of Washington*  
Section 4: Health Sciences  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 2000  
Field(s) of Expertise: Genetics and Genomics

Mark Ellis  
*Professor of Geography*  
*University of Washington*  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2014  
Field(s) of Expertise: Geography of Urban Places, Immigration, Race, and Ethnicity

Bruce A. Finlayson  
*Professor Emeritus of Chemical Engineering*  
*University of Washington*  
Section 2: Engineering and Technology  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 1994  
Field(s) of Expertise: Chemical Engineering

Adrienne Fairhall  
*Associate Professor, Physiology and Biophysics*  
*University of Washington*  
Section 3: Biological Sciences  
Inducted to WSAS 2014  
Field(s) of Expertise: Neurobiology

Thomas R. Fleming  
*Professor, Department of Biostatistics*  
*University of Washington*  
Section 4: Health Sciences  
Inducted to WSAS 2013  
National Academy of Medicine (NAM), 2013  
Field(s) of Expertise: Design, Conduct, and Analysis of Clinical Trials; Survival Analysis
Karl N Fleming  
*President*  
**KNF Consulting Services LLC**  
Section 2: Engineering and Technology  
Inducted to WSAS 2020  
National Academy of Engineering (NAE), 2020  
Field(s) of Expertise: Probabilistic Risk and Reliability Assessment of Complex Engineered Systems

James Fredrickson  
*Chief Scientist*  
**Pacific Northwest National Laboratory**  
Section 3: Biological Sciences  
Inducted to WSAS 2011  
Field(s) of Expertise: Microbial Ecology and Biogeochemistry

Brian French  
*Berry Family Distinguished Professor of Educational Psychology*  
**Washington State University**  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2021  
Field(s) of Expertise: Psychological and Educational Measurement; Research Methods and Statistics

Stanley C. Froehner  
*Professor and Chair, Department of Physiology & Biophysics*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2013  
Field(s) of Expertise: Biochemistry, Neurobiology, and Cell Biology

Howard Frumkin  
*Professor Emeritus, Environmental and Occupational Health Sciences*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2017  
National Academy of Medicine (NAM), 2021  
Field(s) of Expertise: Public Health and the Environment

Rita Fuchs-Lokensgard  
*Director, Alcohol and Drug Abuse Research Program*  
**Washington State University**  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2021  
Field(s) of Expertise: Neuroscience

Dayong Gao  
*Origincell Endowed Professor of Mechanical Engineering*  
**University of Washington**  
Section 2: Engineering and Technology  
Inducted to WSAS 2017  
Field(s) of Expertise: Mechanical Engineering and Biomedical Engineering

John Geyman  
*Professor Emeritus of Family Medicine*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2019  
National Academy of Medicine (NAM), 1985  
Field(s) of Expertise: Family Medicine

Cecilia Giachelli  
*Professor and W. Hunter and Dorothy Simpson Endowed Chair*  
**University of Washington**  
Section 3: Biological Sciences  
Inducted to WSAS 2016  
Field(s) of Expertise: Biomaterials and Regenerative Medicine, Molecular and Cellular Engineering

Gary Gilliland  
*President and Director*  
**Fred Hutchinson Cancer Research Center**  
Section 4: Health Sciences  
Inducted to WSAS 2016  
National Academy of Medicine (NAM), 2021  
Field(s) of Expertise: Cancer Research and Treatment; Blood Diseases
**David Ginger**  
*Alvin L. and Verla R. Kwiram Endowed Professor of Chemistry*  
*Dept of Chemistry, and UW Clean Energy Institute*  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2018  
Field(s) of Expertise: Physical and Materials Chemistry, especially of New Materials for Clean Energy and Optoelectronics Applications

**Mark Groudine**  
*Member, Division of Basic Sciences, Special Advisor to the Director’s Office*  
*Fred Hutchinson Cancer Research Center*  
Section 3: Biological Sciences  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 2001 & NAM 2003  
Field(s) of Expertise: Molecular and Cellular Biology

**Jay Giri**  
*Director*  
*GGM Consulting (retired)*  
Section 2: Engineering and Technology  
Inducted to WSAS 2015  
Field(s) of Expertise: Energy Management Systems

**Elizabeth Halloran**  
*Professor of Epidemiology and Biostatistics*  
*University of Washington/Fred Hutchinson Cancer Research Center*  
Section 4: Health Sciences  
Inducted to WSAS 2020  
National Academy of Medicine (NAM), 2020  
Field(s) of Expertise: Biostatistics

**Michael Goodchild**  
*Emeritus Professor of Geography*  
*University of California, Santa Barbara*  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2018  
National Academy of Sciences (NAS), 2002  
Field(s) of Expertise: Geography, GIS

**Alexes Harris**  
*Professor of Sociology*  
*University of Washington*  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2017  
Field(s) of Expertise: Criminal justice

**Lisa Graumlich**  
*Dean Emeritus, College of the Environment & Mary Laird Wood Professor, School of Environmental and Forest Sciences*  
*University of Washington*  
Section 3: Biological Sciences  
Inducted to WSAS 2021  
Field(s) of Expertise: Earth Science; Ecology

**Dennis L. Hartmann**  
*Professor, Atmospheric Sciences*  
*University of Washington*  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2016  
National Academy of Sciences (NAS), 2016  
Field(s) of Expertise: Atmospheric Science

**E. Peter Greenberg**  
*Professor of Microbiology*  
*University of Washington*  
Section 3: Biological Sciences  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 2004  
Field(s) of Expertise: Microbiology

**Caroline S. Harwood**  
*Professor, Department of Microbiology*  
*University of Washington*  
Section 3: Biological Sciences  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 2009  
Field(s) of Expertise: Understanding how Bacteria Integrate Diverse Environmental Signals and Diverse Metabolic Modules to Function at the Whole Cell Level
J. David Hawkins
Emeritus Endowed Professor of Prevention
University of Washington
Section 5: Social and Behavioral Sciences
Inducted to WSAS 2018
Field(s) of Expertise: Prevention of Child and Adolescent Behavioral Health Problems, Crime Prevention, Substance Abuse Prevention, Longitudinal Research, Preventive Intervention Research, Social Development

Maxine Hayes
Washington State Health Officer
Washington State Department of Health (retired)
Section 4: Health Sciences
Inducted to WSAS 2008
National Academy of Medicine (NAM), 2008
Field(s) of Expertise: Public Health, Population Health, Pediatrics, Maternal Child Health

Patrick Heagerty
Professor of Biostatistics
University of Washington
Section 4: Health Sciences
Inducted to WSAS 2021
National Academy of Medicine (NAM), 2021
Field(s) of Expertise: Biostatistics; Clinical and Population Research

Blayne R. Heckel
Professor Emeritus, Department of Physics
University of Washington
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2012
Field(s) of Expertise: Gravitational Phenomena - Time-Reversal Symmetry Violation

Margaret Heitkemper
Chair, Biobehavioral Nursing and Health Systems
University of Washington
Section 4: Health Sciences
Inducted to WSAS 2013
National Academy of Medicine (NAM), 2015
Field(s) of Expertise: Irritable Bowel Syndrome (IBS)

Steve Henikoff
Investigator, Howard Hughes Medical Institute
Fred Hutchinson Cancer Research
Section 4: Health Sciences
Inducted to WSAS 2018
National Academy of Sciences (NAS), 2005
Field(s) of Expertise: Genetics and Genomics

Ray Hilborn
Professor of Fisheries Management, Aquatic and Fishery Sciences
University of Washington
Section 3: Biological Sciences
Inducted to WSAS 2010
Field(s) of Expertise: Natural Resource Management and Conservation

Laura Hill
Vice Provost and Professor, Department of Human Development
Washington State University
Section 5: Social and Behavioral Sciences
Inducted to WSAS 2020
Field(s) of Expertise: Prevention, Implementation, Evidence-based Programs

Kerry Wayne Hipps
Regents Professor of Chemistry, Materials Science, and Engineering
Washington State University
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2013
Field(s) of Expertise: Chemistry

Jonathan Himmelfarb
Director, Kidney Research Center
University of Washington
Section 4: Health Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Medicine, Bioengineering

Charles Hirschman
Boeing International Professor
University of Washington
Section 5: Social and Behavioral Sciences
Inducted to WSAS 2010
Field(s) of Expertise: Sociology
Eric Holland
Senior VP and Director of Human Biology
Fred Hutchinson Cancer Research Center
Section 4: Health Sciences
Inducted to WSAS 2018
National Academy of Medicine (NAM), 2009
Field(s) of Expertise: Mouse Models of Cancer, Brain Tumors

King K. Holmes
Professor, Director of Research and Faculty Development, Department of Global Health
University of Washington
Section 4: Health Sciences
Inducted to WSAS 2008
National Academy of Medicine (NAM), 1987
Field(s) of Expertise: AIDS and STDs

John D. Hooper
Senior Principal and Director of Earthquake Engineering
Magnusson Klemencic Associates
Section 2: Engineering and Technology
Inducted to WSAS 2020
Field(s) of Expertise: Structural Engineering, Earthquake Engineering

Robert Horsch
Advisor, Global Commission on Adaptation
World Resources Institute
Section 3: Biological Sciences
Inducted to WSAS 2011
Field(s) of Expertise: Plant Genetic Transformation

Raymond B. Huey
Professor Emeritus of Biology
University of Washington
Section 3: Biological Sciences
Inducted to WSAS 2015
Field(s) of Expertise: Evolutionary Physiology

Scot Hulbert
Associate Dean and Director, Agricultural Research Center
Washington State University
Section 3: Biological Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Genetics, Agricultural Sciences

Patricia Ann Hunt
Meyer Distinguished Professor, School of Molecular Bioscience
Washington State University
Section 3: Biological Sciences
Inducted to WSAS 2015
Field(s) of Expertise: Aneuploidy

Lee Huntsman
President Emeritus
University of Washington
Section 4: Health Sciences
Inducted to WSAS 2011
Field(s) of Expertise: Bioengineering, Leadership of Scientific and Policy Initiatives in the State of Washington

Daniel Jaffe
Professor and Chair of Physical Science Division
University of Washington – Bothell
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Environmental and Atmospheric Chemistry, Air Pollution; Climate Science and Environmental Policy

Janet Jansson
Laboratory Fellow and Chief Scientist for Biology
Pacific Northwest National Laboratory
Section 3: Biological Sciences
Inducted to WSAS 2015
Field(s) of Expertise: Plant, Soil, and Microbial Sciences
Samson A. Jenekhe  
*Boeing - Martin Professor of Chemical Engineering*  
**University of Washington**  
Section 2: Engineering and Technology  
Inducted to WSAS 2013  
Field(s) of Expertise: Organic and Printed Electronics

Forrester T. Johnson  
*Senior Technical Fellow*  
**The Boeing Company**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 2000  
Field(s) of Expertise: Computational Fluid Dynamics

Monica Kirkpatrick Johnson  
*Professor and Chair, Department of Sociology*  
**Washington State University**  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2016  
Field(s) of Expertise: Sociology

Cheryl Kaiser  
*Professor and Chair, Department of Psychology*  
**University of Washington**  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2021  
Field(s) of Expertise: Social Psychology; Intersection of Law, Organizational Science, and Political Science

David B. Kaplan  
*Director, Institute for Nuclear Theory*  
**University of Washington**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2010  
National Academy of Sciences (NAS), 2013  
Field(s) of Expertise: Quantum Field Theory

Gary S. Kaplan  
*Chairman and CEO*  
**Virginia Mason Health System**  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2014  
National Academy of Medicine (NAM), 2013  
Field(s) of Expertise: Internal Medicine

Anna Karlin  
*Bill & Melinda Gate Chair in Computer Science & Engineering*  
**University of Washington**  
Section 2: Engineering and Technology  
Inducted to WSAS 2021  
National Academy of Sciences (NAS), 2021  
Field(s) of Expertise: Theoretical Computer Science

Kristina B. Katsaros  
*Former Director, Atlantic Oceanographic and Meteorological Laboratory, retired*  
**Northwest Research Associates Inc, Emeritus, and NOAA (retired)**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 2001  
Field(s) of Expertise: Atmospheric and Oceanic Sciences

Joel D. Kaufman  
*Professor of Epidemiology*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2017  
Field(s) of Expertise: Air Pollution and Cardiovascular Health

Tom Kawula  
*Professor and Director, Paul G. Allen School for Global Health*  
**Washington State University**  
Section 4: Health Sciences  
Inducted to WSAS 2019  
Field(s) of Expertise: Zoonotic Infectious Diseases

Bruce D. Kay  
*Laboratory Fellow*  
**Pacific Northwest National Laboratory**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2017  
Field(s) of Expertise: Chemical Physics
Christopher Keane  
*Vice President for Research*

**Washington State University**
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2019  
Field(s) of Expertise: Physics and Astronomy

Sarah Keller  
*Professor of Chemistry*

**University of Washington**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2011  
Field(s) of Expertise: Inhomogeneous Distribution of Lipids within Membranes that Model Cell Membranes

Munira Khalil  
*Leon C. Johnson Professor and Chair of Chemistry*

**University of Washington**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2021  
Field(s) of Expertise: Physical Chemistry; Ultrafast Spectroscopy

Susan Kieffer  
*Charles R. Walgreen, Jr., University Professor, Emerita*

**University of Illinois at Urbana-Champaign**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2019  
National Academy of Sciences (NAS), 1986  
Field(s) of Expertise: Geological Fluid Dynamics

Ronald Klemencic  
*CEO*

**Magnusson Klemencic Associates Inc**  
Section 2: Engineering and Technology  
Inducted to WSAS 2020  
National Academy of Engineering (NAE), 2020  
Field(s) of Expertise: Structural Engineering, Seismic Engineering

Rachel Klevit  
*Professor of Biochemistry*

**University of Washington**  
Section 3: Biological Sciences  
Inducted to WSAS 2016  
National Academy of Sciences (NAS), 2021  
Field(s) of Expertise: Biochemistry

Keith P. Klugman  
*Director for Pneumonia*

**Bill and Melinda Gates Foundation**  
Section 4: Health Sciences  
Inducted to WSAS 2016  
National Academy of Medicine (NAM), 2015  
Field(s) of Expertise: Global Public Health

Julie Kmec  
*Professor, Department of Sociology*

**Washington State University**  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2019  
Field(s) of Expertise: Sociology of Work and Organizations

Tim Kohler  
*Regents Professor of Anthropology*

**Washington State University**  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2018  
Field(s) of Expertise: Archaeology, Neolithic Societies, Complex Systems

Allan E. Konopka  
*Director of Microbiology*

**Pacific Northwest National Laboratory**  
Section 3: Biological Sciences  
Inducted to WSAS 2010  
Field(s) of Expertise: Physiological and Community Ecology of Microbes in Natural and Engineered Ecosystems

Richard Kouzes  
*Laboratory Fellow, Materials Sciences*

**Pacific Northwest National Laboratory**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2021  
Field(s) of Expertise: Physics; Computing
Steve Kramer
Professor Emeritus, Civil & Environmental Engineering
University of Washington
Section 2: Engineering and Technology
Inducted to WSAS 2020
National Academy of Engineering (NAE), 2020
Field(s) of Expertise: Geotechnical Earthquake Engineering, Geotechnical Engineering

Ondrej Krivanek
President
Nion Corporation
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Electron Optics; Solid State Physics

James M. Krueger
Regents Professor, School of Molecular Biosciences
Washington State University
Section 4: Health Sciences
Inducted to WSAS 2012
Field(s) of Expertise: Physiology

Patricia K. Kuhl
Endowed Chair, Bezos Family Foundation for Early Childhood Learning; Co-Director, UW Institute for Learning & Brain Sciences; Director, NSF Science of Learning Center (LIFE)
University of Washington
Section 4: Health Sciences
Inducted to WSAS 2010
National Academy of Sciences (NAS), 2010
Field(s) of Expertise: Early Language and Brain Development

Alvin L. Kwiram
Emeritus Professor of Chemistry
University of Washington
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2014
Field(s) of Expertise: Chemistry

Eric B. Larson
Senior Investigator
Kaiser Permanente Washington Health Research Institute
Section 4: Health Sciences
Inducted to WSAS 2015
National Academy of Medicine (NAM), 2007
Field(s) of Expertise: Healthcare Innovation

Ed Lazowska
Professor, and Bill & Melinda Gates Chair Emeritus, Paul G. Allen School of Computer Science & Engineering
University of Washington
Section 2: Engineering and Technology
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2001
Field(s) of Expertise: Computer Science and Engineering

Ann L. Lee
Executive Vice President
Juno Therapeutics
Section 2: Engineering and Technology
Inducted to WSAS 2019
National Academy of Engineering (NAE), 2007
Field(s) of Expertise: Bioengineering and Biotechnology

Lai-yung "Ruby" Leung
Battelle Fellow
Pacific Northwest National Laboratory
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2013
Field(s) of Expertise: Atmospheric Science

Randall LeVeque
Professor Emeritus, Applied Mathematics
University of Washington
Section 2: Engineering and Technology
Inducted to WSAS 2021
National Academy of Sciences (NAS), 2021
Field(s) of Expertise: Applied Mathematics, Geohazards
Henry Levy
Chairman and Wissner-Slivka Chair
University of Washington
Section 2: Engineering and Technology
Inducted to WSAS 2011
National Academy of Engineering (NAE), 2011
Field(s) of Expertise: Operating Systems, Distributed Systems, Security, the WWW, and Computer Archives

Mary Lidstrom
Frank Jungers Chair of Engineering, Professor in Chemical Engineering
University of Washington
Section 3: Biological Sciences
Inducted to WSAS 2011
National Academy of Sciences (NAS), 2013
Field(s) of Expertise: Microbial Biology

Yuehe Lin
Professor, School of Mechanical and Materials Engineering
Washington State University/Pacific Northwest National Laboratory
Section 2: Engineering and Technology
Inducted to WSAS 2018
National Academy of Engineering (NAE), 2016
Field(s) of Expertise: Material Science and Engineering; Biomedical Engineering

Steven B. Lipner
Executive Director
SAFECode
Section 2: Engineering and Technology
Inducted to WSAS 2017
National Academy of Engineering (NAE), 2017
Field(s) of Expertise: Computer Science and Engineering

David Lomet
Partner Researcher
Microsoft Research
Section 2: Engineering and Technology
Inducted to WSAS 2018
National Academy of Engineering (NAE), 2018
Field(s) of Expertise: Data Management and Transactional Systems

Christine Luscombe
University of Washington
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2020
Field(s) of Expertise: Polymers, Clean Energy

Alair MacLean
Professor of Sociology
Washington State University
Section 5: Social and Behavioral Sciences
Inducted to WSAS 2020
Field(s) of Expertise: Inequality, Education, Military, Veterans

Jon D. Magnusson
Senior Principal
Magnusson Klemencic Associates
Section 2: Engineering and Technology
Inducted to WSAS 2016
National Academy of Engineering (NAE), 2016
Field(s) of Expertise: Structural Engineering, Seismic Engineering
jmagnusson@mka.com

Henrique S. Malvar
Distinguished Engineer
Microsoft Research
Section 2: Engineering and Technology
Inducted to WSAS 2012
National Academy of Engineering (NAE), 2012
Field(s) of Expertise: Signal Processing Enhancement/Compression, Decompositions, Coding Theory

Ramulu Mamidala
Boeing Pennell Professor of Engineering, and Mechanical Engineering
University of Washington
Section 2: Engineering and Technology
Inducted to WSAS 2015
Field(s) of Expertise: Manufacturing Science
ramulum@uw.edu
Marc Mangel  
Distinguished Professor  
University of Washington Tacoma/University of California Santa Cruz  
Section 3: Biological Sciences  
Inducted to WSAS 2020  
Field(s) of Expertise: Mathematical Biology

Thomas Marsh  
Professor and IMPACT Director, School of Economic Sciences  
Washington State University  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2011  
Field(s) of Expertise: Agricultural Economics  
tl_marsh@wsu.edu

George M. Martin  
Professor Emeritus of Pathology  
University of Washington  
Section 3: Biological Sciences  
Inducted to WSAS 2008  
Field(s) of Expertise: Pathology  
gmmartin@uw.edu

Clifford F. Mass  
Professor, Department of Atmospheric Sciences  
University of Washington  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2012  
Field(s) of Expertise: Weather of the American Northwest

Peter J. May  
Donald R. Matthews Distinguished Professor Emeritus of American Politics  
University of Washington  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2011  
Field(s) of Expertise: Policy Processes, Environmental Regulation, and Policymaking for Natural Hazards and Disasters

Jill McCluskey  
Regents Professor, School of Economic Sciences  
Washington State University  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2015  
Field(s) of Expertise: Consumer Preferences, Product Quality, Industrial Organization

Anne McCoy  
Professor of Chemistry  
University of Washington  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2019  
Field(s) of Expertise: Theoretical Spectroscopy

Michael G. McDonell  
Professor, Elson S. Floyd College of Medicine  
Washington State University  
Section 4: Health Sciences  
Inducted to WSAS 2020  
Field(s) of Expertise: Substance Use and Mental Health Treatment

Terry F. McElwain  
Regents Professor Emeritus, Paul G. Allen School for Global Animal Health  
Washington State University  
Section 4: Health Sciences  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 2009  
Field(s) of Expertise: Global Control of Persistent Infectious Diseases

Larry McLerran  
Director, Institute for Nuclear Theory and Professor of Physics  
University of Washington  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2017  
Field(s) of Expertise: Theoretical Physics

Sterling M. McPherson  
Director, Biostatistics and Clinical Trial Design  
Washington State University  
Section 4: Health Sciences  
Inducted to WSAS 2020  
Field(s) of Expertise: Evidence-based Drug/Alcohol Use Disorder Treatments
Victoria Meadows  
Professor and Director, Astrobiology Program  
University of Washington  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2021  
Field(s) of Expertise: Astrobiology; Planetary and Exoplanetary Science

Ron C. Mittelhammer  
Regents Professor of Economic Sciences and Statistics  
Washington State University  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2012  
Field(s) of Expertise: Econometrics and Statistics

Katrina Mealey  
Richard L. Ott Endowed Chair in Small Animal Medicine and Research  
Washington State University  
Section 4: Health Sciences  
Inducted to WSAS 2020  
Field(s) of Expertise: Pharmacogenetics; Companion Animal Veterinary Medicine

Bruce Montgomery  
CEO  
Avalyn Pharma  
Section 4: Health Sciences  
Inducted to WSAS 2015  
Field(s) of Expertise: Antimicrobial Development

Kathryn Meier  
Professor and Interim Chair, Department of Pharmacological Sciences  
Washington State University  
Section 4: Health Sciences  
Inducted to WSAS 2021  
Field(s) of Expertise: Pharmacology; Biochemistry

David Montgomery  
Professor of Earth and Space Sciences  
University of Washington  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2020  
Field(s) of Expertise: Geomorphology

Randall T. Moon  
William & Marilyn Conner Professor and Founding Director of the Institute of Stem Cell & Regenerative Medicine  
University of Washington School of Medicine  
Section 4: Health Sciences  
Inducted to WSAS 2011  
National Academy of Sciences (NAS), 2015  
Field(s) of Expertise: Signal Transduction Pathways in Development and in Disease

Sue E. Moore  
Affiliate Professor  
Center for Ecosystem Sentinels, University of Washington  
Section 3: Biological Sciences  
Inducted to WSAS 2020  
Field(s) of Expertise: Marine Mammals; Bioacoustics

Andrew N. Meltzoff  
Co-Director, Institute for Learning and Brain Sciences  
University of Washington  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2010  
Field(s) of Expertise: Psychological and Cognitive Sciences

Pamela Holsclaw Mitchell  
Professor Emeritus, Biobehavioral Nursing and Health Informatics  
University of Washington  
Section 4: Health Sciences  
Inducted to WSAS 2012  
Field(s) of Expertise: Patient Outcomes of Care Systems and Clinical Research on Care for Patients
Kristi Morgansen  
*Professor and Chair of Aeronautics and Astronautics*  
**University of Washington**  
Section 2: Engineering and Technology  
Inducted to WSAS 2021  
Field(s) of Expertise: Guidance, Navigation, Control, and Autonomy; Aerospace Engineering

Earll M. Murman  
*Ford Professor of Engineering Emeritus*  
**Massachusetts Institute of Technology**  
Section 2: Engineering and Technology  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 1991  
Field(s) of Expertise: Industrial and Systems Engineering

Christopher J. L. Murray  
*Director, Institute for Health Metrics and Evaluation and Professor, Department of Global Health*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 2007  
Field(s) of Expertise: Population Health Measurement and Health System Performance Assessment

Charles Emerson Murry  
*Co-Director, Institute for Stem Cell and Regenerative Medicine; Professor, Department of Pathology; Professor, Department of Bioengineering*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2012  
Field(s) of Expertise: Discovered Ischemic Preconditioning, the Most Powerful Mammalian Protection System against Cell Death

Roger M. Myers  
*Executive Director*  
**Aerojet Rocketdyne Redmond (retired)**  
Section 2: Engineering and Technology  
Inducted to WSAS 2012  
Field(s) of Expertise: Aerospace

Julio A. Navarro  
*Senior Technical Fellow*  
**Boeing Research and Technology**  
Section 2: Engineering and Technology  
Inducted to WSAS 2021  
National Academy of Engineering (NAE), 2021  
Field(s) of Expertise: RF Circuits and Antennas; Directional Communications and Radar Sensors

Alshakim Nelson  
*Associate Professor of Chemistry*  
**University of Washington**  
Section 2: Engineering and Technology  
Inducted to WSAS 2021  
Field(s) of Expertise: Polymer Chemistry; 3D Printing

Eugene Nester  
*Professor Emeritus of Microbiology*  
**University of Washington**  
Section 3: Biological Sciences  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1994  
Field(s) of Expertise: Microbial Plant Pathology

Matthew O'Donnell  
*Frank and Julie Jungers Dean of Engineering Emeritus and Professor of Bioengineering*  
**University of Washington**  
Section 2: Engineering and Technology  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 2009  
Field(s) of Expertise: Cutting-Edge Explorations of New Imaging Modalities in Biomedicine

Gordon H. Orians  
*Professor Emeritus of Biology*  
**University of Washington**  
Section 3: Biological Sciences  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1989  
Field(s) of Expertise: Ecology
Mari Ostendorf
*Endowed Professor of System Design Methodologies, Electrical & Computer Engineering Associate Vice Provost for Research University of Washington*

**University of Washington**
Section 2: Engineering and Technology
Inducted to WSAS 2019
National Academy of Engineering (NAE), 2021
Field(s) of Expertise: Speech and Language Processing

Guy Hughes Palmer
*Regents Professor of Pathology & Infectious Diseases and Senior Director of Global Health Washington State University*

**Washington State University**
Section 4: Health Sciences
Inducted to WSAS 2008
National Academy of Medicine (NAM), 2006
Field(s) of Expertise: Infectious Diseases, Global Health and Development

Ljiljana Pasa-Tolic
*Laboratory Fellow, Functional and Systems Biology Pacific Northwest National Laboratory*

**Pacific Northwest National Laboratory**
Section 2: Engineering and Technology
Inducted to WSAS 2021
Field(s) of Expertise: Analytical Chemistry and Mass Spectrometry; Omics and Systems Biology

Radia J. Perlman
*Fellow Dell EMC*

**Dell EMC**
Section 2: Engineering and Technology
Inducted to WSAS 2015
National Academy of Engineering (NAE), 2015
Field(s) of Expertise: Computer Science and Engineering

Edward B. Perrin
*Professor Emeritus, Health Systems and Population Health University of Washington*

**University of Washington**
Section 4: Health Sciences
Inducted to WSAS 2014
National Academy of Medicine (NAM), 1974
Field(s) of Expertise: Biostatistics, Health Data Systems, and Health Services Research

John Peters
*Professor and Director, Institute of Biological Chemistry Washington State University*

**Washington State University**
Section 3: Biological Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Biochemistry; Microbiology

Theodore W. Pietsch
*Professor and Curator of Fishes, School of Aquatic and Fishery Sciences University of Washington*

**University of Washington**
Section 3: Biological Sciences
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2021
Field(s) of Expertise: Marine Ichthyology

Robert D. Plotnick
*Professor Emeritus, Evans School of Public Policy and Governance University of Washington*

**University of Washington**
Section 5: Social and Behavioral Sciences
Inducted to WSAS 2012
Field(s) of Expertise: Economic Analysis of the Prevalence, Causes, and Consequences of Poverty in the U.S.

B. W. "Joe" Poovaiah
*Regents Professor, Department of Horticulture and Landscape Architecture Washington State University*

**Washington State University**
Section 3: Biological Sciences
Inducted to WSAS 2010
Field(s) of Expertise: Calcium Signaling in Plants, Plant Growth and Development, Biotechnology

Bruce Mark M. Psaty
*Professor and Investigator, Departments of Medicine, Epidemiology, and Health Services Group Health Research Institute*

**Group Health Research Institute**
Section 4: Health Sciences
Inducted to WSAS 2014
National Academy of Medicine (NAM), 2013
Field(s) of Expertise: Cardiovascular Epidemiology
Suzie Pun
*Professor of Bioengineering*
*University of Washington*
Section 2: Engineering and Technology
Inducted to WSAS 2018
Field(s) of Expertise: Drug Delivery and Biomaterials

André Eric Punt
*Director, School of Aquatic and Fishery Sciences*
*University of Washington*
Section 3: Biological Sciences
Inducted to WSAS 2014
Field(s) of Expertise: Assessment and Management of Marine Resources

Thomas P. Quinn
*Professor of Aquatic and Fishery Sciences*
*University of Washington*
Section 3: Biological Sciences
Inducted to WSAS 2010
Field(s) of Expertise: Fish Behavior, Ecology, and Evolution

Phil Rasch
*Laboratory Fellow and Chief Scientist for Climate Science*
*Pacific Northwest National Laboratory*
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2020
Field(s) of Expertise: Climate Science

Buddy D. Ratner
*Professor of Chemical and Bioengineering and Co-Director, Center for Dialysis Innovation*
*University of Washington*
Section 2: Engineering and Technology
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2002
Field(s) of Expertise: Bioengineering

John Reganold
*Regents Professor of Soil Science and Agroecology*
*Washington State University*
Section 3: Biological Sciences
Inducted to WSAS 2012
Field(s) of Expertise: Agroecology

Per Reinhall
*Professor and Chair, Department of Mechanical Engineering*
*University of Washington*
Section 2: Engineering and Technology
Inducted to WSAS 2019
Field(s) of Expertise: Dynamical Systems, Vibrations, and Acoustics

Lynn Riddiford
*Professor Emerita, Biology*
*University of Washington Friday Harbor Laboratories*
Section 3: Biological Sciences
Inducted to WSAS 2018
National Academy of Sciences (NAS), 2010
Field(s) of Expertise: Insect Endocrinology

James Joseph Riley
*Professor Emeritus, Mechanical Engineering*
*University of Washington*
Section 2: Engineering and Technology
Inducted to WSAS 2012
National Academy of Engineering (NAE), 2014
Field(s) of Expertise: Fluid Dynamics

Robert C. Ritter
*Professor of Neuroscience and Physiology*
*Washington State University*
Section 4: Health Sciences
Inducted to WSAS 2013
Field(s) of Expertise: Neuroendocrinological Control of Appetite and Satiety

R. G. Hamish Robertson
*Boeing Distinguished Professor of Physics, Emeritus*
*University of Washington*
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2008
National Academy of Sciences (NAS), 2004
Field(s) of Expertise: Nuclear and Particle Physics
John Roll  
Professor and Vice Dean for Research, Elson S. Floyd College of Medicine  
Washington State University  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2016  
Field(s) of Expertise: Addiction

Cornelius Rosse  
Professor Emeritus, Department of Biological Structure  
University of Washington  
Section 4: Health Sciences  
Inducted to WSAS 2019  
National Academy of Medicine (NAM), 2001  
Field(s) of Expertise: Anatomy

Kevin Rosso  
Laboratory Fellow and Associate Director of Geochemistry, Physical Sciences Division  
Pacific Northwest National Laboratory  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2019  
Field(s) of Expertise: Geochemistry

Brian Saelens  
Professor of Pediatrics and Psychiatry & Behavioral Sciences  
Seattle Children’s Research Institute  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2018  
Field(s) of Expertise: Child Health Psychology, Obesity Treatment and Prevention, Environment and Policy Factors that Impact Physical Activity and Healthy Eating

Marla Salmon  
Professor of Nursing and Global Health  
University of Washington  
Section 4: Health Sciences  
Inducted to WSAS 2019  
National Academy of Medicine (NAM), 1996  
Field(s) of Expertise: Nursing

Martin Savage  
Professor of Physics  
University of Washington  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2019  
Field(s) of Expertise: Nuclear Physics

Daniel E. Schindler  
Professor of Aquatic and Fishery Sciences  
University of Washington  
Section 3: Biological Sciences  
Inducted to WSAS 2018  
Field(s) of Expertise: Aquatic Ecology, Limnology, Fisheries

Maureen Schmitter-Edgecombe  
H. L. Eastlick Professor of Psychology  
Washington State University  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2019  
Field(s) of Expertise: Clinical Neuropsychology

Noel Schulz  
Edmund Schweitzer Chair, EECS and Co-Director, PNNL/WSU Advanced Grid Institute  
Washington State University  
Section 2: Engineering and Technology  
Inducted to WSAS 2021  
Field(s) of Expertise: Electric Power Engineering and Renewable Energy Integration; Engineering Education, Women in STEM

Jon Schwantes  
Senior Research Scientist and Lead, Nuclear & Radiochemistry Team  
Pacific Northwest National Laboratory  
Section 2: Engineering and Technology  
Inducted to WSAS 2021  
Field(s) of Expertise: Nuclear & Radiochemistry and Nuclear Forensics; Environmental Engineering and Chemistry
Daniel Schwartz
Founding Director and Boeing-Sutter Professor, 
Clean Energy Institute
University of Washington
Section 2: Engineering and Technology
Inducted to WSAS 2016
Field(s) of Expertise: Clean Energy, Transportation

Edmund O. Schweitzer, III
President
Schweitzer Engineering Laboratories, Inc.
Section 2: Engineering and Technology
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2002
Field(s) of Expertise: Electric Power and Energy Systems Engineering/Industrial Manufacturing and Operational Systems Engineering

John Donald Scott
Krebs-Speights Professor of Cell Signaling and Cancer Biology
University of Washington
Section 4: Health Sciences
Inducted to WSAS 2013
Field(s) of Expertise: Signal Communication between Cells

Tueng Shen
Graham & Brenda Siddall Endowed Chair and Associate Dean, Medical Technology Innovation
University of Washington
Section 4: Health Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Medicine; Bioengineering

Harry Shum
Emeritus Researcher
Microsoft Corporation
Section 2: Engineering and Technology
Inducted to WSAS 2019
National Academy of Engineering (NAE), 2017
Field(s) of Expertise: Artificial Intelligence

Subhash C. Singhal
Battelle Fellow Emeritus
Pacific Northwest National Laboratory
Section 2: Engineering and Technology
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2005
Field(s) of Expertise: Energy

Jane Sisk
Professor Emerita of Pharmacy
University of Washington
Section 4: Health Sciences
Inducted to WSAS 2018
National Academy of Medicine (NAM), 2001
Field(s) of Expertise: Pharmacy

Michael K. Skinner
Eastlick Distinguished Professor in Health Sciences
Washington State University
Section 3: Biological Sciences
Inducted to WSAS 2019
Field(s) of Expertise: Genomics

Michael J. Smerdon
Regents Professor of Biochemistry and Biophysics
Washington State University
Section 3: Biological Sciences
Inducted to WSAS 2013
Field(s) of Expertise: DNA Damage and Repair in Eukaryotes; Carcinogenesis and Cancer Prevention

Richard D. Smith
Battelle Fellow and Chief Scientist, Biological Sciences Division
Pacific Northwest National Laboratory
Section 3: Biological Sciences
Inducted to WSAS 2010
Field(s) of Expertise: Proteomics and Metabolomics, Mass Spectrometry
David A Stahl  
*Professor of Environmental Engineering*  
**University of Washington**  
Section 2: Engineering and Technology  
Inducted to WSAS 2012  
National Academy of Engineering (NAE), 2012  
Field(s) of Expertise: Civil and Environmental Engineering

John Stark  
*Director and Professor of Ecotoxicology*  
**Washington Stormwater Center**  
Section 3: Biological Sciences  
Inducted to WSAS 2019  
Field(s) of Expertise: Toxicology

H. David Stensel  
*Professor, Department of Civil Engineering*  
**University of Washington**  
Section 2: Engineering and Technology  
Inducted to WSAS 2013  
Field(s) of Expertise: Biological Wastewater Treatment Processes

Andy S. Stergachis  
*Professor, Epidemiology and Global Health*  
*Adjunct Professor of Pharmacy and Health Services Director, Global Medicines Program*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2013  
National Academy of Medicine (NAM), 2013  
Field(s) of Expertise: Pharmacoepidemiology, Global Medicines Safety

Richard Szeliski  
*Distinguished Scientist*  
*Facebook*  
Section 2: Engineering and Technology  
Inducted to WSAS 2015  
National Academy of Engineering (NAE), 2015  
Field(s) of Expertise: Computer Science

Juming Tang  
*Distinguished Chair of Food Engineering*  
**Washington State University**  
Section 2: Engineering and Technology  
Inducted to WSAS 2019  
National Academy of Engineering (NAE), 2021  
Field(s) of Expertise: Food Engineering

Julie Theriot  
*Professor of Biology*  
**University of Washington**  
Section 3: Biological Sciences  
Inducted to WSAS 2021  
National Academy of Sciences (NAS), 2021  
Field(s) of Expertise: Biomechanics; Cell and Molecular Biology; Computational Biology

Ronald M. Thom  
*Staff Scientist Emeritus, Marine Sciences Laboratory*  
**Pacific Northwest National Laboratory**  
Section 3: Biological Sciences  
Inducted to WSAS 2010  
Field(s) of Expertise: Coastal Ecosystem Science and Restoration

Elizabeth Thompson  
*Professor, Department of Statistics*  
**University of Washington**  
Section 1: Physical and Mathematical Sciences  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 2008  
Field(s) of Expertise: Statistics: Methods for the Statistical Analysis of Genetic Data, Computational Biology

Hilaire Thompson  
*Joanne Montgomery Endowed Professor and Director, School of Nursing Graduate Program*  
**University of Washington**  
Section 4: Health Sciences  
Inducted to WSAS 2018  
Field(s) of Expertise: Traumatic Brain Injury, Falls, Aging, Nursing, Consumer Health Informatics
George Todaro  
*Advisor*

**Targeted Growth, Inc**

Section 4: Health Sciences  
Inducted to WSAS 2018  
National Academy of Sciences (NAS), 1986  
Field(s) of Expertise: Pathobiology, Cancer Research

Keiko U. Torii  
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Section 3: Biological Sciences  
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Section 2: Engineering and Technology  
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National Academy of Engineering (NAE), 2020  
Field(s) of Expertise: Electromagnetics, Remote Sensing, Photonics, Microwaves, EMC

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Section 4: Health Sciences  
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Field(s) of Expertise: Chronobiology and Sleep

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Section 4: Health Sciences  
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National Academy of Sciences (NAS), 1986  
Field(s) of Expertise: Biochemistry and Molecular Biology
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Section 1: Physical and Mathematical Sciences
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Section 4: Health Sciences
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National Academy of Medicine (NAM), 2006
Field(s) of Expertise: Medicine, Infectious Diseases, STDs

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Field(s) of Expertise: Biochemistry; Toxicology, Public Health, and Infectious Disease

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Field(s) of Expertise: Infectious Diseases of Fish

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Inducted to WSAS 2015
Field(s) of Expertise: Neuroscience

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Section 4: Health Sciences
Inducted to WSAS 2008
National Academy of Medicine (NAM), 1993
Field(s) of Expertise: Women’s Health

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Section 2: Engineering and Technology
Inducted to WSAS 2013
Field(s) of Expertise: Point of Care Diagnostic Devices, Microfluidics, Physical Biochemistry

Gary Yang  
*Founder and CTO*
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Section 2: Engineering and Technology
Inducted to WSAS 2018
Field(s) of Expertise: Batteries, Fuel Cells, Advanced Materials

Jonathan K. Yoder  
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Section 5: Social and Behavioral Sciences
Inducted to WSAS 2017
Field(s) of Expertise: Economics

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Section 2: Engineering and Technology
Inducted to WSAS 2020
Field(s) of Expertise: Agricultural Automation, Field Robotics, Smart Agriculture
Ning Zheng
Professor of Pharmacology
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Section 3: Biological Sciences
Inducted to WSAS 2020
Field(s) of Expertise: Structural Biology, Drug Discovery, Protein Degradation, Plant Biology, Protein Sciences