Members of the Washington State Academy of Sciences represent a broad diversity of scientific disciplines and draw on their 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.

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Lee Huntsman, University of Washington (emeritus)

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Ruby Leung, Pacific Northwest National Laboratory

Ljiljana Pasa-Tolic, Pacific Northwest National Laboratory

John Stark, Washington State University

Donna Gerardi Riordan, Executive Director, ex officio
ACTIVE MEMBERS

Nancy Allbritton
Professor of Bioengineering
University of Washington
Section 2: Engineering and Technology
Inducted to WSAS 2020
Field(s) of Expertise: Biomedical Microdevices

David Aldous
Professor Emeritus of Statistics
UC Berkeley
Section 1: Physical Sciences and Mathematics
Inducted to WSAS 2023
National Academy of Sciences (NAS), 2021
Field(s) of Expertise: Mathematics (Probability)

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

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

Frederick Applebaum
Executive Vice President and Deputy Director
Fred Hutchinson Cancer Research Center
Section 4: Health Sciences
Inducted to WSAS 2013
National Academy of Medicine (NAM), 2013
Field(s) of Expertise: Biology and Therapy of Acute Myeloid Leukemia, Control of Graft-vs-host Disease, Prevention of Transplant-related Complications

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

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

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

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

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

Nathan Baker
Senior Director, Partnerships for Chemistry
Microsoft
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2020
Field(s) of Expertise: Data Science, Applied Mathematics

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: Additive Manufacturing, Biomaterials, Biotribology
ACTIVE MEMBERS

François 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

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

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
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)

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

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
ACTIVE MEMBERS

Stephen Bollens
Professor and Director, Meyer’s Point Environmental Field Station
Washington State University
Section 3: Biological Sciences
Inducted to WSAS 2022
Field(s) of Expertise: Biological Oceanography and Aquatic Ecology

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

Anjan Bose
Regents Professor, Distinguished Professor of Electric Power Engineering
Washington State University
Section 2: Engineering and Technology
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2003
Field(s) of Expertise: Electrical Engineering

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

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

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 Science
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
ACTIVE MEMBERS

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
Associate Laboratory Director for Coastal and Marine Sciences (retired)
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

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

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
ACTIVE MEMBERS

Kyle Crowder
Professor of Sociology
University of Washington
Section 5: Social and Behavioral Sciences
Inducted to WSAS 2013
Field(s) of Expertise: Demography

Mary Czerwinski
Partner and Research Manager
Microsoft
Section 2: Engineering and Technology
National Academy of Engineering (NAE), 2022
Field(s) of Expertise: Information Worker Task Management, Health and Wellness

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
National Academy of Engineering (NAE), 2021
Field(s) of Expertise: Experimental Physics

John Delaney
Professor of Oceanography
University of Washington
Section 1: Physical and Mathematical Sciences
Field(s) of Expertise: Environmental Sciences and Ecology
Geophysics

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
ACTIVE MEMBERS

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

Azita Emami
Dean, School of Nursing
University of Washington
Section: Health Sciences
Inducted to WSAS 2022
Field(s) of Expertise: Music and Dementia

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

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

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

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

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

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

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

David Field
Professor and Director, Institute of Materials Research
Washington State University
Section 2: Engineering and Technology
Inducted to WSAS 2022
Field(s) of Expertise: Physical and Mechanical Metallurgy
ACTIVE MEMBERS

**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

**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

**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

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

**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

**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

**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

**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

**Jerry Franklin**
Professor of Ecosystem Analysis
University of Washington
Section 3: Biological Sciences
Inducted to WSAS 2016
Field(s) of Expertise: Forestry

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

**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
ACTIVE MEMBERS

**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

**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

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

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

**Deborah Gracio**
Associate Lab Director, National Security Directorate
Pacific Northwest National Laboratory
Section 2: Engineering and Technology
Inducted to WSAS 2022
Field(s) of Expertise: Cybersecurity

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

**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

**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

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

**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

**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
ACTIVE MEMBERS

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
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
 ACTIVE MEMBERS

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
National Academy of Engineering (NAE), 2021
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

Eric Horvitz
Microsoft Corporation
Section
Inducted to WSAS
Field(s) of Expertise:

Bahman Hoveida
President
Accurant International, LLC
Section 2: Engineering and Technology
Inducted to WSAS 2022
National Academy of Engineering (NAE), 2022
Field(s) of Expertise: Energy and Clean Technology; Smart Grid Technologies

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

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
ACTIVE MEMBERS

**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 & National Academy of Engineering (NAE), 2021
Field(s) of Expertise: Theoretical Computer Science

**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

**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

**Susan Kieffer**
Charles R. Walgreen, Jr. University Professor, Emerita
University of Illinois at Urbana-Champaign
Inducted to WSAS 2019
National Academy of Sciences (NAS), 1986
Field(s) of Expertise: Geological Fluid Dynamics, Sustainability and Resilience

**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

**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

**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

**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

**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 Membrane

**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
ACTIVE MEMBERS

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

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

Kannan Krishnan
Professor of Materials Science, Adjunct Professor of Physics
University of Washington
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2015
Field(s) of Expertise: Nanoscience & Nanotechnology, Bioengineering, Imaging

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 2001
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
ACTIVE MEMBERS

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

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

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

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

Xiaosong Li
Harry and Catherine Jayne Boand Endowed Professor and Associate Chair of Chemistry
Associate VP of Research Cyberinfrastructure
University of Washington
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2022
Fields of Expertise: electron structure theories for studying excited state chemical processes

Mark Long
Professor
University of Washington
Section 5: Social and Behavioral Sciences
Inducted to WSAS 2019
Field(s) of Expertise: Economics

Xiaosong Li
Harry and Catherine Jayne Boand Endowed Professor and Associate Chair of Chemistry
Associate VP of Research Cyberinfrastructure
University of Washington
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2022
Fields of Expertise: electron structure theories for studying excited state chemical processes

Mary Lidstrom
Frank Junger’s 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: Polymers, Clean Energy

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

Chao-Hsin Lin
Technical Fellow
Boeing Commercial Airplanes
Section 2: Engineering and Technology
Inducted to WSAS 2022
National Academy of Engineering (NAE) 2022
Field(s) of Expertise: Computational Fluid Dynamics

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
ACTIVE MEMBERS

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

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

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

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

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

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

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

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

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

John McNamara
Professor Emeritus of Animal Sciences
Washington State University
Section 3: Biological Sciences
Inducted to WSAS 2022
Field(s) of Expertise: Nutritional Physiology of Farm Animals

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

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
ACTIVE MEMBERS

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

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

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

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

Harry Miley
Laboratory Fellow
Pacific Northwest National Laboratory
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2022
Field(s) of Expertise: Nuclear Physics, Nuclear Monitoring

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

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

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

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

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

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: Aeronautics and Astronautics

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
ACTIVE MEMBERS

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

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

Roger M. Myers
Executive Director
Aerojet Rocketdyne Redmond (retired)
Section 2: Engineering and Technology
Inducted to WSAS 2012
National Academy of Engineering (NAE), 2021
Field(s) of Expertise: Aerospace

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

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

Mari Ostendorf
Endowed Professor of System Design Methodologies, Electrical & Computer Engineering Associate Vice Provost for Research
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

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

Guy Hughes Palmer
Regents Professor of Pathology & Infectious Diseases and Senior Director of Global Health
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

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

Ljiljana Pasa-Tolic
Laboratory Fellow, Functional and Systems Biology
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
ACTIVE MEMBERS

Radia J. Perlman
Fellow
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
Section 4: Health Sciences
Inducted to WSAS 2008
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
Section 3: Biological Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Biochemistry; Microbiology

Jim Pfaendtner
Professor of Chemical Engineering and Chemistry
University of Washington
Section 2: Engineering and Technology
Inducted to WSAS 2022
Field(s) of Expertise: Computational molecular science

Robert D. Plotnick
Professor Emeritus, Evans School of Public Policy and Governance
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
Section 3: Biological Sciences
Inducted to WSAS 2010
Field(s) of Expertise: Calcium Signaling in Plants, Plant Growth and Development, Biotechnology

Bhagwat Prasad
Principal Investigator, Associate Professor
Washington State University
Section 4: Health Sciences
Inducted to WSAS 2022
Field(s) of Expertise: Proteomics

Bruce Mark M. Psaty
Professor and Investigator, Departments of Medicine, Epidemiology, and Health Services
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

Andre 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

Wei-Jun Qian
Laboratory Fellow/Biomedical Scientist
Pacific Northwest National Lab
Section 3: Biological Sciences
Inducted to WSAS 2022
Field(s) of Expertise: Developing and Applying Novel Analytical Biochemistry Principles for Achieving Quantitative Measurements

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
ACTIVE MEMBERS

**Bonnie Ramsey**  
Director, Center for Clinical and Translational Research  
Associate Director, Pediatric Clinical Research Center,  
Professor, Seattle Children’s Research Center  
University of Washington  
Section 4: Health Sciences  
Inducted to WSAS 2016  
National Academy of Medicine (NAM), 2015  
Field(s) of Expertise: Pediatrics, Pulmonology

**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

**Frederick Rieke**  
Professor, Department of Physiology and Biophysics  
University of Washington  
Section 4: Health Sciences  
Inducted to WSAS 2014  
Field(s) of Expertise: Signal Transduction in the Visual System

**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

**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

**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

**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
ACTIVE MEMBERS

Martin Savage
Professor of Physic
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 btw Cells

Wendy Shaw
Chief Science and Technology Officer
Pacific Northwest National Laboratory
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2022
Field(s) of Expertise: Proteins in Biomineralization Processes; Catalysts for Renewable energy that mimic features of enzymes

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

Jay Shendure
Investigator, HHMI, and Professor of Genomic Sciences
University of Washington
Section 3: Biological Sciences
Inducted to WSAS 2022
National Academy of Sciences (NAS), 2022
Field(s) of Expertise: genome sequencing and analysis methods; cell-free DNA diagnostics

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
ACTIVE MEMBERS

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

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

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

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  
Field(s) of Expertise: Pharmacoepidemiology, Global Medicines Safety

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

Krysta Svore  
Distinguished Engineer and Vice President, Quantum Software and Systems, Azure Quantum  
Microsoft Research  
Section 2: Engineering and Technology  
Inducted to WSAS 2022  
Field(s) of Expertise: Classical and Quantum Machine Learning Algorithms

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: Ethnic Minority Mental Health and Health Disparities

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

David Takeuchi  
Associate Dean for Faculty Excellence  
University of Washington  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2013  
Field(s) of Expertise: Ethnic Minority Mental Health and Health Disparities

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
ACTIVE MEMBERS

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

Leung Tsang
Professor of Electrical Engineering and Computer Science
University of Michigan, Ann Arbor
Section 2: Engineering and Technology I
Inducted to WSAS 2012
National Academy of Engineering (NAE), 2020
Field(s) of Expertise: Electromagnetics, Remote Sensing, Photonics, Microwaves, EMC

František Tureček
Klaus and Mary Ann Saegerbarth Endowed Professor
University of Washington
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2022
Field(s) of Expertise: Fundamental and applied studies in mass spectrometry, physical chemistry

Hans P.A. Van Dongen
Professor and Director, Sleep Performance and Research Center
Washington State University
Section 4: Health Sciences
Inducted to WSAS 2018
Field(s) of Expertise: Chronobiology and Sleep

Mani Venkatasubramanian
Boeing Distinguished Professor of Electrical Engineering
Director, Energy Systems Innovation Center
Washington State University
Section 2: Engineering and Technology
Inducted to WSAS 2022
Field(s) of Expertise: Power System Dynamic Measurements

Wesley Van Voorhis
Professor and Director, Center for Emerging and Re-emerging Infectious Diseases University of Washington
Section 4: Health Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Infectious Diseases and Pandemic Preparedness; Drug Development

Vicki VanZandt
President
VanZandt Electric Transmission Consulting
Section 2: Engineering and Technology
Inducted to WSAS 2021
National Academy of Engineering (NAE), 2021
Field(s) of Expertise: Electrical Engineering and Power Systems; Power System Control and Protection
ACTIVE MEMBERS

Usha Varanasi
Distinguished Scholar in Residence
University of Washington
Section 3: Biological Sciences
Inducted to WSAS 2011
Field(s) of Expertise: Marine Mammals and Pollution Impacts

Monica Vavilala
Professor and Director, Harborview Injury Prevention and Research Center
University of Washington
Section 4: Health Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Anesthesiology and Pain Medicine; Traumatic Brain Injury and Injury Prevention

Jud W. Virden, Jr.
Associate Laboratory Director, Energy & Environment Directorate
Pacific Northwest National Laboratory
Section 2: Engineering and Technology
Inducted to WSAS 2014
Field(s) of Expertise: Energy

Chongmin Wang
Laboratory Fellow, Materials Scientist
Pacific Northwest National Laboratory
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2022
Field(s) of Expertise: Advanced Microscopy of Energy Materials

James C. Wang
Mallinckrodt Professor of Biochemistry and Molecular Biology, Emeritus
Harvard University
Section 3: Biological Sciences
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1986
Field(s) of Expertise: Biochemistry and Molecular Biology

Yong Wang
Laboratory Fellow and Associate Director, Institute for Integrated Catalysis
Pacific Northwest National Laboratory/Washington State University
Section 2: Engineering and Technology
Inducted to WSAS 2015
Field(s) of Expertise: Catalytic Materials

Robin Waples
Senior Scientist
Northwest Fisheries Science Center
Section 3: Biological Sciences
Inducted to WSAS 2014
Field(s) of Expertise: Fish Conservation Genetics

Peter Ward
Professor, Department of Earth and Space Sciences
University of Washington
Section 1: Physical and Mathematical Sciences
Inducted to WSAS 2011
Field(s) of Expertise: Paleontology

Judith N. Wasserheit
Professor and Chair, Department of Global Health
University of Washington
Section 4: Health Sciences
National Academy of Medicine (NAM), 2006
Field(s) of Expertise: Medicine, Infectious Diseases, STDs

Katrina Waters
Director, Biological Sciences Division
Pacific Northwest National Laboratory
Section 3: Biological Sciences
Inducted to WSAS 2021
Field(s) of Expertise: Biochemistry, Toxicology, Public Health, and Infectious Disease

James Winton
Senior Scientist, Emeritus
US Geological Survey
Section 3: Biological Sciences
Inducted to WSAS 2018
Field(s) of Expertise: Infectious Diseases of Fish

Rachel Wong
Professor of Biological Structure
University of Washington
Section 3: Biological Sciences
Inducted to WSAS 2021
National Academy of Sciences (NAS), 2021
Field(s) of Expertise: Neuroscience
**ACTIVE MEMBERS**

**Nancy Fugate Woods**  
Professor, Family and Child Nursing and Dean Emeritus, School of Nursing  
University of Washington  
Section 4: Health Sciences  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 1993  
Field(s) of Expertise: Women's Health

**Qin Zhang**  
Director, Center for Precision & Automated Agricultural Systems  
Washington State University  
Section 2: Engineering and Technology  
Inducted to WSAS 2020  
Field(s) of Expertise: Agricultural Automation

**Jie Xiao**  
Lab Fellow, Materials Scientist  
Pacific Northwest National Laboratory  
Section 2: Engineering and Technology  
Inducted to WSAS 2022  
Field(s) of Expertise: Fundamental and Applied Research for Battery Materials Scaleup, Manufacturing and Grid Energy Storage

**Paul Yager**  
Professor, Department of Bioengineering  
University of Washington  
Section 2: Engineering and Technology  
Inducted to WSAS 2013  
Field(s) of Expertise: Point of Care Diagnostic Devices, Microfluidics, Physical Biochemistry

**Jihui Yang**  
Vice Dean, College of Engineering  
University of Washington  
Section 2: Engineering and Technology  
Inducted to WSAS 2022  
Field(s) of Expertise: Thermoelectric and Energy Storage Materials

**Xiaoming Yang**  
Professor and Director, Image-Guided Bio-Molecular Interventions Research  
University of Washington  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2022  
Field(s) of Expertise: Medical Imaging and Interventional Radiology

**Ning Zheng**  
Professor of Pharmacology  
University of Washington  
Section 3: Biological Sciences  
Inducted to WSAS 2020  
Field(s) of Expertise: Structural Biology, Drug Discovery, Protein Degradation, Plant Biology, Protein Sciences

**Jonathan K. Yoder**  
Professor, School of Economic Sciences  
Washington State University  
Section 5: Social and Behavioral Sciences  
Inducted to WSAS 2017  
Field(s) of Expertise: Economics
EMERITUS MEMBERS

Eric G. Adelberger
Emeritus Professor of Physics
University of Washington
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1994

Bill Anders
NASA Astronaut
Heritage Flight Museum (Retired)
Inducted to WSAS 2018
National Academy of Engineering (NAE), 1984

Bishnu S. Atal
Affiliate Professor of Electrical Engineering
University of Washington
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1993

David A. Baker
Professor of Biochemistry
University of Washington
Inducted to WSAS 2008
National Academy of Sciences (NAS), 2006

James B. Bassingthwaighte
Professor of Bioengineering and Radiology
University of Washington
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2000

Joseph A. Beavo
Professor of Pharmacology
University of Washington
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1996

Alfred O. Berg
Professor and Chair Department of Family Medicine
University of Washington
Inducted to WSAS 2008
National Academy of Medicine (NAM), 1996

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

Michael Bevan
University of Washington
Section 3: Biological Sciences
Inducted to WSAS 2018
National Academy of Engineering (NAS), 2008
Field(s) of Expertise: Biochemistry, Health Research

Alain Bonneville
Laboratory Fellow
Pacific Northwest National Laboratory
Inducted to WSAS 2014

Winston J. Brill
Visiting Professor of Microbiology,
University of Washington
Winston J. Brill & Associates
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1989

Wylie Burke
Professor and Chair, Bioethics and Humanities
University of Washington
Inducted to WSAS 2008
National Academy of Medicine (NAM), 2007

Joost A. Businger
Retired Professor of Atmospheric Science, Senior Scientist at the National Center of Atmospheric Research
University of Washington
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2001

David G. Castner
Director, National ESCA and Surface Analysis Center for Biomedical Problems
University of Washington
Inducted to WSAS 2013

William A. Catterall
Professor and Chairman, Department of Pharmacology
University of Washington
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1989 & NAM 2000

Sue B. Clark
Deputy Director, Science and Technology
Savannah River National Laboratory
Inducted to WSAS 2012
EMERITUS MEMBERS

Philip M. Condit
The Boeing Company (Retired)
Inducted to WSAS 2008
National Academy of Engineering (NAE), 1985

Rodney B. Croteau
Fellow and Regents Professor, Institute of Biological Chemistry
Washington State University
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1997

Larry R. Dalton
B. Seymour Rabinovitch Chair in Chemistry and George Kauffman Professor of Electrical Engineering
University of Washington
Inducted to WSAS 2012

Gary Darmstadt
Professor, School of Medicine
Stanford University
Inducted to WSAS 2011

Ernest R. Davidson
Professor of Chemistry, University of Washington;
Distinguished Professor, Emeritus, Indiana University
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1987

Michael H. Dickinson
Esther M. and Abe M. Zarem Professor of Bioengineering and Aeronautics
California Institute of Technology
Inducted to WSAS 2012

Bonnie Dunbar
President
Dunbar International, LLC
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2002

David Lee Eaton
Dean and Vice Provost Emeritus
University of Washington
Inducted to WSAS 2011
National Academy of Medicine (NAM), 2011

Gerald Edwards
Professor Emeritus
Washington State University
Inducted to WSAS 2011

Mickey S. Eisenberg
Professor of Medicine, University of Washington; Medical Director, King County EMS
University of Washington
Inducted to WSAS 2008
National Academy of Medicine (NAM), 1994

E. Norval Fortson
Professor Emeritus, Physics University of Washington
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1998

Stanley M. Gartler
Professor Emeritus of Medicine and Genome Sciences
University of Washington
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1989

Paul H. Gilbert
Director Emeritus
Parsons Brinckerhoff Inc.
Inducted to WSAS 2008
National Academy of Engineering (NAE), 1997

Karen I. Goldberg
Vagelos Professor of Energy Research
University of Pennsylvania
Inducted to WSAS 2012
National Academy of Sciences (NAS), 2018

R. Curtis Graeber
Senior Technical Fellow
The Boeing Company (Retired)
Inducted to WSAS 2010

J. Thomas Grayston
Professor Emeritus of Epidemiology; Founding Dean, School of Public Health and Community Medicine
University of Washington
Inducted to WSAS 2008
National Academy of Medicine (NAM), 1981

Sen-itiroh Hakomori
Pacific Northwest Research Center
Inducted to WSAS 2018
National Academy of Sciences (NAS), 2000
EMERITUS MEMBERS

Leland Hartwell
Virginia G. Piper Chair, Director and CEO Emeritus
Fred Hutchinson Cancer Research Center
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1987

Wick Haxton
Professor of Physics
University of California Berkeley
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1999

William R. Hazzard
Professor of Medicine, Director, Geriatrics and Extended Care
Wake Forest University
Inducted to WSAS 2008
National Academy of Medicine (NAM), 1991

Bertil Hille
Wayne E. Crill Endowed Professor of Physiology and Biophysics
University of Washington
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1986 & NAM 2002

Allan S. Hoffman
Professor Emeritus of Bioengineering
University of Washington
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2005

Leroy E. Hood
President
Institute for Systems Biology
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1982 & NAE 2007

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

Akira Ishimaru
Professor Emeritus of Electrical Engineering
University of Washington
Inducted to WSAS 2008
National Academy of Engineering (NAE), 1996

Janet Jansson
Chief Scientist for Biology & Lab Fellow, retired
Pacific Northwest National Laboratory
Inducted to WSAS 2015

Alex K-Y Jen
Professor Emeritus
University of Washington
Inducted to WSAS 2011

Shaoyi Jiang
Robert S. Langer '70 Family and Friends Professor of Biomedical Engineering
Cornell University
Inducted to WSAS 2011

Mary-Claire King
American Cancer Society Professor of Genome Sciences and Medicine
University of Washington
Inducted to WSAS 2007
National Academy of Medicine (NAM), 1994 & NAS, 2005

Richard D. Klausner
Managing Partner
The Column Group
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1993

Albert S. Kobayashi
Professor Emeritus of Mechanical Engineering
University of Washington
Inducted to WSAS 2008
National Academy of Engineering (NAE), 1986

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

Brian Lamb
Regents Professor Emeritus
Washington State University
Inducted to WSAS 2016
EMERITUS MEMBERS

**Estella B. Leopold**  
Professor Emeritus, Biology  
University of Washington  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1974

**Dennis P. Lettenmaier**  
Distinguished Professor  
University of California, Santa Barbara  
Inducted to WSAS 2012  
National Academy of Engineering (NAE), 2010

**Margaret Levi**  
Director, Comparative Historical Analysis of Organizations and States  
Stanford University  
Inducted to WSAS 2010  
National Academy of Sciences (NAS), 2015

**Kai Li**  
Professor of Computer Science  
Princeton University  
Inducted to WSAS 2012  
National Academy of Engineering (NAE), 2012

**Chen-Ching Liu**  
American Electric Power Professor of Electrical Engineering  
Virginia Tech  
Inducted to WSAS 2014  
National Academy of Engineering (NAE), 2020

**Daniel R. Masys**  
Professor, School of Medicine  
University of California  
Inducted to WSAS 2018  
National Academy of Medicine (NAM), 2001

**David G. McAlees**  
Senior Vice President  
Siemens Power Corporation (Retired)  
Inducted to WSAS 2010

**Carver Mead**  
Gordon and Betty Moore Professor Emeritus of Engineering and Applied Science  
California Institute of Technology  
Inducted to WSAS 2018  
National Academy of Engineering (NAE), 1984

**Donald L. Patrick**  
Professor, Department of Health Services  
University of Washington  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 1995

**Prabhu L. Pingali**  
Founding Director  
Tata-Cornell Institute, Cornell University  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 2007

**Paul G. Ramsey**  
CEO, UW Medicine; Executive Vice President for Medical Affairs; Dean, School of Medicine  
University of Washington  
National Academy of Medicine (NAM), 2000

**Barbara F. Reskin**  
Professor of Sociology  
University of Washington  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 2006

**Peter B. Rhines**  
Professor of Oceanography and Atmospheric Sciences  
University of Washington  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1981

**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

**Frederick P. Rivara**  
Seattle Children’s Guild Endowed Chair in Pediatrics; Professor and Vice Chair, Pediatrics  
University of Washington  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 2005

**Debra Schwinn**  
President  
Palm Beach Atlantic University  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 2002
EMERITUS MEMBERS

Laurence Seifert
Chairman, iFoodDecisionSciences; Chairman Airbiquity, Inc; Chairman, Entomo, Inc.
Inducted to WSAS 2008
National Academy of Engineering (NAE), 1989

Linda Teri
Professor
University of Washington
Inducted to WSAS 2015

Engelberta Thompson
Associate Program Head
Fred Hutchinson Cancer Research Center
Section 5: Social and Behavioral Sciences
Inducted to WSAS 2012

Keiko U. Torii
HHMI/Gordon and Betty Moore Foundation Investigator
University of Washington
Section 3: Biological Sciences
Inducted to WSAS 2012
Field(s) of Expertise: Plant Developmental Genetics

John Vidale
Director of Southern California Earthquake Center
University of Southern California
Inducted to WSAS 2017
National Academy of Sciences (NAS), 2017

Anthony M. Waas
Richard A. Auhll Department Chair of Aerospace Engineering; Felix Pawlowski Collegiate Professor University of Michigan
Inducted to WSAS 2017

John M. Wallace
Professor of Atmospheric Sciences
University of Washington Inducted to WSAS 2008
National Academy of Sciences (NAS), 1997

Robert H. Waterston
William H. Gates III Endowed Chair in Biomedical Sciences; Professor and Chair, Genome Sciences
University of Washington
Inducted to WSAS 2008
National Academy of Sciences (NAS), 2000 & NAM 2001

Noel S. Weiss
Professor, Department of Epidemiology
University of Washington
Inducted to WSAS 2008
National Academy of Medicine (NAM), 1988

J. Turner Whitted
Researcher
NVIDIA Corporation
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2003

Phyllis Wise
CEO and President
Colorado Longitudinal Study
Inducted to WSAS 2008
National Academy of Medicine (NAM), 2008

Tadataka Yamada
Senior Executive in Residence
Frazier Healthcare
Inducted to WSAS 2008
National Academy of Medicine (NAM), 1994
Albert L. Babb  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 1982

James M. Bardeen  
Inducted to WSAS 2012  
National Academy of Sciences (NAS), 2012

Norman Breslow  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 1986

John W. Cahn  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1973 & NAE 1989  
James J. Champoux  
Inducted to WSAS 2010

Neil J. Elgee  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 1978

Ersel Evans  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 1975

Edmond H. Fischer  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1973

Harold Forsen  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 1989

John Garcia  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1983

John A. Glomset  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1990

Benjamin Hall  
Inducted to WSAS 2018  
National Academy of Sciences (NAS), 2014

John Halver  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1978

Maureen Henderson  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 1974

Ernest M. Henley  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1979

William Andrew Hustrulid  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 2007

Ivan R. King  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1982

Kelvin G. Lynn  
Inducted to WSAS 2012

James W. Mar  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 1981

Robert F. Mast  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 1989

Edward L. Miles  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 2003

Arno G. Motulsky  
Inducted to WSAS 2008  
National Academy of Medicine (NAM), 1974 & NAS 1976

George E. Mueller  
Inducted to WSAS 2008  
National Academy of Engineering (NAE), 1967

Ann Nelson  
Inducted to WSAS 2012  
National Academy of Sciences (NAS), 2012

Robert T. Paine  
Inducted to WSAS 2008  
National Academy of Sciences (NAS), 1986

W. Sue Ritter  
Inducted to WSAS 2015
EMERITUS MEMBERS

Richard J. Robbins
Inducted to WSAS 2008
National Academy of Engineering (NAE), 1991

Roger A. Rosenblatt
Inducted to WSAS 2008
National Academy of Medicine (NAM), 1987

Dale F. Rudd
Inducted to WSAS 2008
National Academy of Engineering (NAE), 1978

Ka'imi Sinclair
Inducted to WSAS 2022

Burton J. Smith
Inducted to WSAS 2008
National Academy of Engineering (NAE), 2003

Joseph F. Sutter
Inducted to WSAS 2008
National Academy of Engineering (NAE), 1984

Jan Tauc
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1992

Minoru Taya
Inducted to WSAS 2013

James Thomas
Inducted to WSAS 2010

Alvin Thompson
Inducted to WSAS 2008

James Thouless
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1995

Robert L. Van Citters
Inducted to WSAS 2008
National Academy of Medicine (NAM), 1978

John D. Warner
Inducted to WSAS 2008
National Academy of Engineering (NAE), 1995

Diter von Wettstein
Inducted to WSAS 2008
National Academy of Sciences (NAS), 1981