

# WASHINGTON STATE Academy of Sciences

## 2018-19 Membership Directory

Revised September 2018



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 policy-making in the State of Washington.

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## About Members

WSAS member expertise contributes to scientific and technical analyses of major issues facing Washington State. Examples include the Puget Sound and other critical ecosystems; impacts of climate change including ocean acidification; sustainable natural resource management of forests, fisheries, wildlife, soils, minerals, and water; transportation; health and wellness; food security and safety; energy; and STEM education at the K-12 level and in higher education.

Members are state residents or employees who are elected to the National Academies of Sciences, Engineering, and Medicine, and those elected directly to WSAS by their peers.

Members select an annual slate of candidates for new membership from an open nominations process. Candidates are selected by committees of each of five sections, reviewed by an academy-wide membership committee, and subsequently approved by the Board of Directors.

Members are elected into one of five disciplinary sections, described below.

### Section 1. Physical and Mathematical Sciences

All fundamental physical and mathematical sciences: astronomy, astrophysics and cosmology; atmospheric and ocean science; chemistry; geoscience; materials science; pure and applied mathematics; physics; and statistics.

### Section 2. Engineering and Technology

All branches of engineering and technology: advanced manufacturing; aerospace; biological engineering and technology; chemical; civil and environmental; computer information and science; electrical; energy; industrial and systems engineering; materials; mechanical; nanotechnology; and nuclear.

### Section 3. Biological Sciences

Basic and applied biological sciences from molecular to populations to ecosystems perspectives: agriculture; animal; aquatic and marine sciences; biochemistry; ecology; environmental sciences; evolutionary biology; genomics; microbial; plant; and soil.

### Section 4. Health Sciences

The full spectrum of health care, including: basic and clinical biomedical research; dentistry; health services and economics; healthcare education; medicine; mental health; nursing; nutritional sciences; pharmacy and pharmaceutical sciences; public health; and veterinary medicine.

### Section 5. Social and Behavioral Sciences

Basic and applied scientific studies in: anthropology; criminal justice; demography; economics; education; management science; political science; psychological and cognitive science; social work; and sociology.

## Janis L. Abkowitz

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## In Memoriam

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