



OSU profs named as science fellows

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Eighteen [Ohio State University](#) faculty members have been elected into the newest class of fellows of the [American Association for the Advancement of Science](#), the second highest number in the nation, officials announced today.

Ohio State has ranked first or second in the number of fellows each year for more than a decade. Scholars are chosen for the award based on evaluations by fellow scientists, according to a press release. Founded in 1848, AAAS is the world's largest general scientific society.

"Ingenuity and innovation are the hallmarks of Ohio State and represent the future of the 21st century university," President E. Gordon Gee said in a written statement.

The University of Michigan has the highest number of new fellows at 19, followed by the University of California, Davis and Vanderbilt University, which have 17 new fellows a piece. There are a total of 702 new fellows this year. They will be welcomed at the AAAS annual meeting in Boston in February.

"On a daily basis, Ohio State researchers are serving our communities and advancing the frontiers of discovery as they solve the world's greatest challenges related to energy and the environment, health and wellness, and food production and security." Caroline Whitacre, OSU's vice president for research said a written statement.

Including this year's class, Ohio State has more than 200 AAAS fellows on the faculty. This year's new fellows are:

- [Heather Allen](#), a chemistry and pathology professor ; for outstanding contributions to the development of vibrational spectroscopic probes of interfaces, and their creative application to problems in environmental chemistry, geochemistry and physiology.
- [Donald Dean](#), professor emeritus of biochemistry; for distinguished contributions to biochemistry, particularly for studies on the mechanism of action and protein engineering of insecticidal crystal proteins of *Bacillus thuringiensis*.
- [Biao Ding](#), a molecular genetics professor; for distinguished contributions to the field of intercellular trafficking of RNA and proteins and to the field of viroid-host interactions.

- [Prabir Dutta](#), a distinguished chemistry professor; for notable contributions in understanding zeolite formation and applications of zeolites in photocatalysis and sensing.
- [Mark Failla](#), professor and interim chairman of human sciences; for distinguished contributions to the field of nutritional biochemistry for developing valuable models elucidating bioavailability, metabolism and efficacy of health promoting dietary constituents.
- [John Finer](#), professor of horticulture and crop science; for distinguished contributions in the development of new and insightful approaches for increasing the efficiencies of gene transfer and expression analyses in crop plants.
- [H. Lisle Gibbs](#), professor of evolution, ecology and organismal biology; for distinguished contributions to the field of evolutionary biology, particularly for the application of molecular ecology and genetics to problems in conservation biology.
- [Maura Gillison](#), professor of medical oncology, epidemiology and otolaryngology; for distinguished contributions to the fields of tumor virology, cancer biology and epidemiology, particularly in defining human papillomavirus as the etiologic agent for head and neck cancers.
- [Randy Hodson](#), a sociology professor; for distinguished contributions to the study of organizational effectiveness and dignity at work through the study of power and its abuses.
- [Michael Ibba](#), professor of microbiology and molecular and cellular biochemistry; for distinguished contributions to the fields of aminoacyl-tRNA synthetase biology, translational quality control and microbial physiology.
- [William Marras](#), professor of integrated systems engineering, physical medicine and rehabilitation, and orthopaedics; for distinguished contributions to understanding biomechanical causal pathways for low back disorders and developing methods to prevent occupational back injuries and quantify back disorders.
- [Haikady Nagaraja](#), professor and chairman of biostatistics, and professor of internal medicine and of statistics; for distinguished contributions to the field of statistics, particularly for methodologic work in the areas of order statistics and stochastic modeling.
- [Susan Olesik](#), professor and chairwoman of chemistry and biochemistry; for distinguished contributions to the field of analytical chemistry as well as excellence in communicating science to the public.
- [Richard Pogge](#), professor and vice chairman of astronomy; for distinguished contributions in astronomical instrumentation and toward understanding the nature and environment of active galactic nuclei.
- [Phillip Popovich](#), professor of neuroscience, molecular virology, immunology and medical genetics, and neurological surgery; for distinguished contributions to the field of neuroimmunology and spinal cord injury, particularly for defining the functional contributions of the immune system in CNS repair.
- [Zhenchao Qian](#), chairman of sociology; for distinguished contributions to the field of population studies and sociology, particularly for the studies of marriage, cohabitation, interracial marriage and assortative mating patterns.

- [David Williams](#), dean of the College of Engineering; for distinguished contributions to metal and material sciences, particularly on electron microscopy, and to higher education, providing academic leadership at three major research universities.
- [Rama Yedavalli](#), professor of mechanical and aerospace engineering; for distinguished research and education contributions to the fields of robust and distributed control of mechanical and aerospace systems, and for service to multiple professional societies.