

### **Jizhong Zhou, Ph.D.**

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Dr. Jizhong Zhou is a George Lynn Cross Research Professor, Presidential Professor in the Department of Microbiology and Plant Biology, and Director of the Institute for Environmental Genomics, University of Oklahoma (OU), Norman, OK, an Adjunct Senior Scientist at Lawrence Berkeley National Laboratory, and an Adjunct Professor at Tsinghua University, Beijing, China. Dr. Zhou received a B.S. in Plant Pathology and Entomology in 1981 and an M.S. in Insect Mathematical Ecology in 1984 from Hunan Agricultural University, China. He received a Ph.D. in Molecular Genetics and Cell Biology in 1993 from Washington State University. Before he came to the U.S. in 1989,

he studied theoretical ecology and ecosystem modeling for three years at the Research Center for Eco-Environmental Sciences (RCEES), Chinese Academy of Sciences, Beijing, China. He worked at the Center for Microbial Ecology, Michigan State University, from 1993 to 1995 as a Postdoctoral Research Associate. Before moving to OU in 2005, he worked at Oak Ridge National Laboratory as a Staff Scientist, Senior Staff Scientist, and then Distinguished Staff Scientist for 10 years. Dr. Zhou's expertise is in microbial ecology and genomics with current research focused on: (i) molecular community ecology and metagenomics, particularly of terrestrial soils and groundwater ecosystems important to climate changes and environmental remediation, (ii) experimental evolution and functional genomics of microorganisms important to environment and bioenergy, (iii) pioneering development of high throughput metagenomic technologies, particularly functional gene arrays for biogeochemical, environmental, and ecological applications, and (iv) theoretical ecology, particularly network ecology. He has authored more than **450** publications, with total citations of > 23,000 and H-index of **78**, on microbial genomics, genomic technologies, molecular biology, molecular evolution, microbial ecology, bioremediation, bioenergy, global change, bioinformatics, systems biology, and theoretical ecology. One of his papers, published in 1996, is among the 20 most cited papers (>2,300 times) in the history of *Applied and Environmental Microbiology*.

Dr. Zhou has received numerous awards and honors, including a Presidential Early Career Award for Scientists and Engineers from the President of the United States in 2001 (The highest honor for young scientists and engineers in US), an Environmental Sciences Division Distinguished Scientific Achievement Award in 2001, a Federal Laboratory Consortium Award for Excellence in Technology Transfer in 2005, an R&D 100 Award in 2009, The Ernest Orlando Lawrence Award in Biological and Environmental Sciences in 2014 (U.S Department of Energy's highest scientific award established by President Dwight Eisenhower in 1959), as well as an Alexander Hollaender Distinguished Postdoctoral Fellowship. He has been named an Overseas Changjiang Scholar by the Chinese Ministry of Education, an Outstanding Overseas Young Scientist by the Chinese National Science Foundation, an Outstanding Asian American in 2009, Qianren (One Thousand Talent Program, Class B) Scholar in 2010. He has held guest professorships in several other top Chinese institutions and universities. In 2009, he was specially invited by the Chinese Government to attend the 60th Anniversary Ceremony as a member of the Overseas Delegation, which was received by the Former Chinese President, Premier, and other top leaders. He was a former Editor for *Applied and Environmental Microbiology* from 2003 to 2013. He is currently an Editor for *mBio*, a new ASM integrative journal. He has served as a member of the Editorial Boards of *The ISME Journal*. He is an US Ambassador to the International Society of Microbial Ecology, an Advisory Committee Member for NASA GeneLabs. He has chaired three International Conferences on Microbial Genomes and has served on numerous grant, fellowship, and award review panels for the Department of Energy, the National Science Foundation, the National Institutes of Health, the American Society for Microbiology, and the American Academy of Microbiology. He is also a *Member of Environmental Microbiology Committee*, ASM Public and Scientific Affairs Board, a member of ASM

International Board's *Committee on Global Engagement*, and William A. Hinton Research Training Award Selection Committee. He is a Fellow of the American Academy of Microbiology and a Fellow of the American Association for the Advancement of Science.