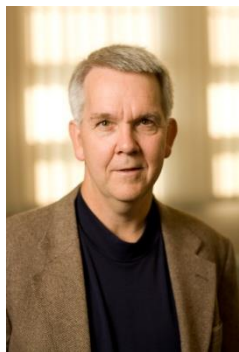


2017 ACS Division of Analytical Chemistry Award Recipients

ACS Division of Analytical Chemistry Award in Electrochemistry:

Paul W. Bohn, University of Notre Dame



Paul Bohn received the BS in Chemistry from Notre Dame in 1977 and the PhD in Chemistry from the University of Wisconsin-Madison in 1981. After two-years at Bell Laboratories, he joined the faculty at the University of Illinois at Urbana-Champaign (UIUC), where he served from 1983-2006. At UIUC he was Centennial Professor in the Chemical Sciences, Professor of Chemistry and had appointments in the Beckman Institute, the Micro and Nanotechnology Laboratory, the Department of Materials Science and Engineering, and the Materials Research Laboratory. He served as Interim Director of the School of Chemical Sciences in 1993-94, Head of the Chemistry Department in 1994-99, and Interim Vice Chancellor for Research, the senior research officer of the UIUC campus, from 2000-2002. In August 2006, he joined the faculty at the

University of Notre Dame as the Arthur J. Schmitt Professor of Chemical and Biomolecular Engineering and Professor of Chemistry and Biochemistry. He has served on numerous boards and is currently co-Editor of *Annual Review of Analytical Chemistry*. His research interests include: electrochemical nanotechnology, integrated nanofluidics and microfluidics for personal diagnostics, and correlated chemical imaging. He has authored over 260 publications, has 6 patents, and is co-founder of Hsiri Diagnostics.

ACS Division of Analytical Chemistry Award in Spectrochemical Analysis:

Zhong-Qun Tian, Xiamen University



Zhong-Qun Tian earned his B.S. degree in Chemistry from Xiamen University (1982) and his Ph.D., supervised by Professor Martin Fleischmann on electrochemical surface-enhanced Raman spectroscopy, from the University of Southampton (1987). He then returned to China and has worked at Xiamen University ever since. He was appointed Full Professor in 1992. His main research interests are surface-enhanced Raman spectroscopy, spectro-electrochemistry, plasmonics and molecule assembly. He published 410 papers and hold 25 patents. Tian has won a number of awards for his research including Outstanding Young Scholar Award from Quishi Foundation of Hong Kong (1999), Faraday Medal of Royal Society of Chemistry (2012), Prix Jacques

Tacussel of International Society of Electrochemistry (ISE) (2013) and the Innovation Prize of Spectroscopy of Hitachi (2015). He was elected as a Member of the Chinese Academy of Sciences and Fellow of Royal Society of Chemistry (2005), a Fellow of ISE (2010) and a member The World Academy of Sciences (2014). He currently is the President Elect of ISE, a member of the advisory board for over ten international journals including JACS and Chemical Science. He has been an associate editor for Science in China: Chemistry (2008-), J. Raman Spectroscopy (2009-) and Chem. Soc. Rev. (2012-).

ACS Division of Analytical Chemistry J. Calvin Giddings Award for Excellence in Education:

Kevin A. Schug, University of Texas Arlington



Kevin A. Schug is Professor and the Shimadzu Distinguished Professor of Analytical Chemistry in the Department of Chemistry and Biochemistry at The University of Texas at Arlington (UTA). He received his B.S. degree in Chemistry in 1998 from the College of William and Mary, and his Ph.D. degree in Chemistry from Virginia Tech in 2002 under the supervision of Prof. Harold M. McNair. From 2003-2005, he performed post-doctoral research in the laboratory of Prof. Dr. Wolfgang Lindner at the University of Vienna in Austria. Since joining UTA in 2005, his research has been focused on the theory and application of separation science and mass spectrometry for solving a variety of analytical and physical chemistry problems. Dr. Schug has received the 2009 Emerging Leader in Chromatography award given by LCGC magazine, an NSF CAREER award, the 2009 Eli Lilly and Company ACACC Young Investigator Award in Analytical Chemistry, and the 2013 American Chemical Society Division of Analytical Chemistry Young Investigator in Separation Science Award. For his teaching, he received the 2014 University of Texas System Regents' Outstanding Teaching Award and was named in 2016 as a Fellow of the University of Texas System Academy of Distinguished Teachers.

ACS Division of Analytical Chemistry Arthur F. Findeis Award for Achievements by a Young Analytical Scientist
Sponsored by Altria:

Matthew F. Bush, University of Washington



Prof. Matthew F. Bush pursued his Ph.D. from 2003-2008 with Evan Williams and Richard Saykally at the University of California, Berkeley. During that time he used infrared laser spectroscopy and Fourier-transform ion cyclotron resonance mass spectrometry to investigate zwitterion formation in gas-phase biomolecules and the structural effects of hydration on biomolecular and multiply charged ions. This training in high-performance mass spectrometry and physical chemistry laid the ground work for his continued pursuits using gas-phase techniques to investigate the structures and interactions of biomolecules. In 2008 he joined the laboratory of Carol Robinson FRS DBE at the University of Cambridge and the University of Oxford, during which time he was a Waters Research Fellow, a Junior Research Fellow of Jesus College (University of Oxford), and developed experimental and analytical frameworks for using ion mobility mass spectrometry experiments to accurately characterize the structures of drug-like molecules, peptides, and protein complexes. He joined the chemistry faculty at the University of Washington in 2011, where his research group is focused on developing mass spectrometry based approaches for elucidating the structures, assembly, and dynamics of protein complexes. His group applies these approaches to a wide range of targets, with a focus on protein homeostasis.

ACS Division of Analytical Chemistry Award in Chemical Instrumentation
Sponsored by the Dow Chemical Company:

Robert M. Corn, University of California, Irvine



Robert M. Corn is a Professor of Chemistry at the University of California, Irvine. Prof. Corn received a B. A. in Chemistry from the University of California, San Diego, and a Ph. D. from the University of California, Berkeley. After a postdoctoral scientist position at the IBM San Jose Research Laboratory, in 1985 he joined the faculty in the Department of Chemistry at the University of Wisconsin-Madison where he was a Professor for 19 years. In 2004, Prof. Corn moved to the Department of Chemistry at the UCI where his research centers on condensed phase interfacial chemistry and the fabrication of nanostructured materials. With over 160 publications and patents, Prof. Corn has dedicated his career to the development and application of surface-sensitive spectroscopies such as surface plasmon resonance imaging (SPRI), optical second harmonic generation, and polarization-modulation FTIR spectroscopy. His current research interests include the development of single nanoparticle SPRI, on-chip templated biosynthesis of protein microarrays for biosensing, and fabrication of nanostructured interfaces with unique optical and physical properties. He received the 2007 Pittsburgh Spectroscopy Award and the 2007 ACS DAC Award in Spectrochemical Analysis, and is a Fellow of the AAAS and the Society for Applied Spectroscopy.

ACS Division of Analytical Chemistry Award for Distinguished Service in the
Advancement of Analytical Chemistry:

Frances S. Ligler, North Carolina State University and University of North Carolina, Chapel Hill



Frances S. Ligler is the Lampe Distinguished Professor of Biomedical Engineering in the Joint Department of Biomedical Engineering at NC State University and UNC-Chapel Hill and an elected member and Councillor of the National Academy of Engineering. Before 2013, she was the Senior Scientist for Biosensors and Biomaterials at the US Naval Research Laboratory. She earned a B.S. from Furman University and both a D.Phil. and a D.Sc. from Oxford University. Currently working in the fields of biosensors, tissue-on-chip, and microfluidics, she has over 400 full-length publications and patents, which have led to eleven commercial biosensor products and have been cited over 14,000 times with H=70 (GS). She is a Fellow of SPIE, AIMBE, AAAS and the National Academy of Inventors. She also serves on the National Academies of Sciences, Engineering, and Medicine Board on Chemical Science and Technology. She has been awarded the Homeland Security Award by the Christopher Columbus Foundation, the Presidential Rank of Distinguished Senior Professional by President Bush, and the Presidential Rank of Meritorious Senior Professional by President Obama. In 2014, she was awarded an honorary doctorate from the Agricultural University of Athens, Greece. She is a 2017 inductee of the National Inventors Hall of Fame.