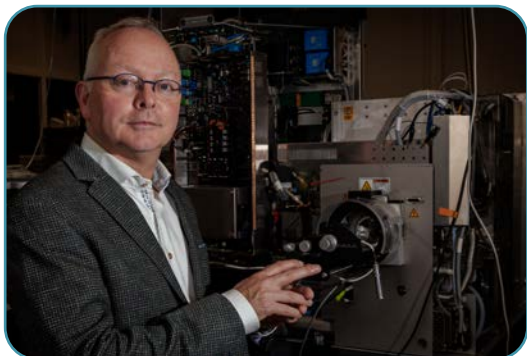




JOHN B. FENN AWARD FOR A DISTINGUISHED CONTRIBUTION IN MASS SPECTROMETRY

Award Lecture, 4:45 pm, Monday, Hall D

The ASMS Award for Distinguished Contribution in Mass Spectrometry honors the memory of John B. Fenn who shared the 2002 Nobel Prize for the development of electrospray ionization. The award includes a \$10,000 cash prize.



Albert J.R. Heck is the recipient of the John B. Fenn Distinguished Contribution Award, in recognition for his pioneering work in method development and applications of native mass spectrometry, especially for the study of the structure, function and assembly of very large macromolecular complexes, e.g. viruses and immune complexes.

Albert Heck is Distinguished Faculty Professor at Utrecht University leading a group devoted to the development and applications of mass spectrometry for both proteomics and structural biology. Through introducing mass analyzers with extended mass range Heck unlocked the field of mass spectrometry based structural virology, but also extended the role of mass spectrometry in the analysis of advanced biopharmaceuticals (e.g. antibodies, AAVs). The distinct versatility of Heck is evidenced by that he also pioneered several proteomics technologies for phospho-enrichment, use of alternative proteases, hybrid

peptide fragmentation techniques (e.g. EThcD), cost-effective dimethyl labeling and proteome-wide cross-linking.

Heck is recipient of several awards including the ACS 2016 Field & Franklin Award, the IMSF 2018 Thomson Medal Award and the FEBS Sir Hans Krebs medal. Heck is member of EMBO and the Royal Netherlands Academy of Sciences and Arts. In 2017 Heck received the most prestigious science Award in the Netherlands, namely the Spinoza Prize.

BIEMANN MEDAL

Award Lecture: 4:45 pm, Tuesday, Hall D

The Biemann Medal is awarded to recognize significant achievement in basic or applied mass spectrometry in the early stages of an academic career. The award includes a \$5,000 cash prize.



Nikolai Slavov is the recipient of the ASMS Biemann Medal for his methods for high-throughput Single Cell Proteomics by Mass Spectrometry (SCoPE-MS and SCoPE2) that were used to investigate the proteome heterogeneity of stem cell differentiation and macrophage polarization. These results stimulated the emergence of the single-cell mass spectrometry proteomics field.

Building on these initial methods, his group continued to advance and support the field by introducing increasingly more powerful approaches, including prioritized SCoPE and plexDIA, spearheading the establishment of initial community guidelines, and organizing an annual single-cell proteomics conference. He has established and continues to build research programs that push the boundaries of low-input and single-cell proteomics that enable accurate quantification and increased proteome depth in an effort to answer deep questions important to the biological community.

Dr. Slavov is a Distinguished Professor at Northeastern University and the founding Director of Parallel Squared Technology Institute (PTI), a new type research organization funded through Schmidt Futures and Ken Griffin.

AL YERGEY MS SCIENTIST AWARDS

Award Presentations: 4:45 pm, Monday, Hall D

The Al Yergey MS Scientist Awards are sponsored by ASMS to recognize dedication and significant contributions to mass spectrometry-based science by "unsung heroes." The awards are named in the memory of Al Yergey, a well-respected scientist who was known as a dedicated mentor. Each award includes a \$1,000 cash prize.



Kevin Giles is recognized for his notable contributions in mass spectrometry instrumentation development over a three-decade career with Waters Corporation and VG Biotech.

At Waters, Kevin contributed to the design, refinement, and commercialization of advanced mass spectrometry systems. His broader work focused on ion optics development involving the design and implementation of RF-confining stacked-ring ion guides and travelling wave technology which are employed in a significant proportion of Waters' MS instruments, including the innovative StepWave source ion guide which has shipped on over twenty thousand MS systems to-date.



Perhaps Kevin's most significant contribution has been his work on ion mobility–mass spectrometry (IM-MS) instrumentation, including the Synapt Q-ToF series, which helped establish IM MS as a practical tool by bringing the technique from specialist research into mainstream analytical science. A key technology in the Synapt instruments is the novel Travelling Wave Ion Mobility separation device which Kevin was central to developing and optimising, culminating in the design and commercialisation of an extremely versatile cyclic IM-MS instrument.

In his final years at Waters, Kevin was responsible for heading the design and implementation of the first dedicated commercial CDMS instrument, in collaboration with Indiana University.

Over his career Kevin has authored/co-authored over 70 peer-reviewed manuscripts, and is a named inventor on over 120 granted US patents.



Daniel B. McClatchy, Senior Staff Scientist at Scripps Research Institute, is one of the most quietly influential contributors to neuroproteomics, recognized not only for pioneering methodological advances but also for his exceptional commitment to collaboration, training, and community support.

Dr. McClatchy's scientific contributions have significantly expanded the capabilities of mass spectrometry in complex biological systems. Early in his career, he optimized Stable Isotope Labeling of Mammals (SILAM) for quantitative in vivo proteomics of the brain, enabling developmental and disease-related proteome dynamics to be measured with unprecedented precision. His SILAM workflow has been applied in multiple studies of neural development, synaptic biology, and sensorimotor gating, illustrating both technical innovation and biological depth.

His most transformative advance is the development of Pulse Azidohomoalanine Labeling in Mammals (PALM), an in vivo extension of BONCAT that allows selective enrichment and quantification of newly synthesized proteins (NSPs) in tissues.

Dr. McClatchy's contributions are characteristically quiet, consistent, and indispensable—those of a true “unsung hero.” His innovations have shaped modern neuroproteomics, his mentorship has launched careers, and his collaborative spirit has strengthened numerous research programs.



Michael W. Senko, Principal Scientist at Thermo Fisher Scientific, has worked for more 35 years to advance the performance of mass spectrometers, improve the analysis of mass spectrometry (MS) data, and mentor others in their careers. He has created a number of huge advances in instrumentation that thousands of scientists use every day, yet are unaware of his contributions – making him a clear “unsung hero” in our field.

He obtained his Ph.D. from Cornell University in 1995 with MS pioneer, Fred McLafferty. After postdoctoral training at the National High Magnetic Field Laboratory with the co-inventor of FT-MS, Alan Marshall, Mike started working at Thermo Finnigan in 1996. Since this time, he has been part of the R&D efforts for the LCQ and GCQ ion trap platforms, the LTQ and LTQ-FT/Orbitrap systems, and has been the Technical Lead for the Tribrid mass spectrometers for over a decade.

We are often enamored by shiny mass spectrometry hardware. While important, the underlying complexity of “what's under the hood” frequently goes unrecognized. A partial list of where Senko has advanced the core performance and operation of MS systems to beyond state-of-the-art follows: robust and automated data dependent acquisition, stable mass accuracy with external calibration, peak centroiding, real-time assessment of monoisotopic mass and charge state, predictive automatic gain/ion control, and real-time Orbitrap signal processing to minimize file size.

Beyond his own remarkable scientific achievements, Senko has proven to be an effective mentor, particularly for early-career scientists.

RON HITES AWARD OUTSTANDING RESEARCH PUBLICATION IN JASMS Award Presentation: ASMS Meeting, 4:45 pm, Wednesday, Hall D

The Ron Hites Award recognizes an outstanding publication of original research published in JASMS. The award is named to honor Professor Ron Hites of Indiana University, who led the creation of JASMS in 1988 while president of ASMS. The award includes \$2,000 and plaque for principal author and certificates for co-authors.



Andre R. Venter (Western Michigan University) along with co-authors George Joseph and Bincy Binny for their paper are recognized for their paper “The Role of Nanobubbles in Protein Unfolding during Electrothermal Supercharging”, *J. Am. Soc. Mass Spectrom.* 2025, 36, 4, 794–800.



RESEARCH AWARDS

Award Presentations: 4:45 pm, Tuesday, Hall D

Research Awards promote the research of academic scientists within the first four years of joining the tenure track or research faculty of a North American University at the time the award is conferred. The awards, in the amount of \$35,000 for the recipient's proposed research are fully funded by Bruker, Thermo Fisher Scientific, and Waters Corporation.

The selection process is not connected to or influenced by the award funders.



Funded by



Kevin D. Clark
Tufts University



Funded by



Daniel Petras
University of
California, Riverside



Funded by

Waters

Jared B. Shaw
University of
Nebraska-Lincoln

RESEARCH AT PRIMARILY UNDERGRADUATE INSTITUTION (PUI) AWARD

Award Presentation: 4:45 pm, Tuesday, Hall D

Funded by



Agilent

Jim Pesavento

Saint Mary's College of California

This award promotes academic research in mass spectrometry by faculty members and their students at primarily undergraduate institutions (PUIs). The award of \$20,000 for the recipient's proposed research is fully funded by Agilent Technologies.

The selection process is not connected to or influenced by the award funder.



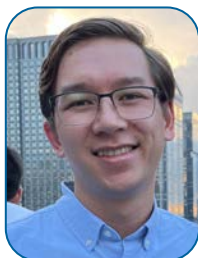
POSTDOCTORAL CAREER DEVELOPMENT AWARDS

Award Presentations, 4:45 pm, Wednesday, Hall D

Postdoctoral Career Development Awards in the amount of \$5,000 promote professional career development of postdoctoral fellows in the field of mass spectrometry.



Zhan Gao
University of
Wisconsin,
Madison



Ethan Older
University of
California,
Santa Cruz



Valentina Rangel-Angarita
University of Michigan



Ariana Shannon
Mayo Clinic



Zhijun Zhu
Stanford University

**DIVERSITY, EQUITY, INCLUSION, AND ACCESSIBILITY (DEIA) MENTORSHIP AWARDS**
Award Presentations, 4:45 pm, Wednesday, Hall D

The newly established award recognizes ASMS members who have demonstrated exemplary service in STEM mentoring and/or recruitment of individuals from groups that are underrepresented in the field of mass spectrometry. Each award includes a \$1,000 cash prize funded by VRS Recruitment.

The selection process is not connected to or influenced by the award funder.



Francisco A. Fernández-Lima
Florida International University



Lisa M. Jones
University of California, San Diego

GRADUATE STUDENT AWARDS
Award Presentations, 4:45 pm, Wednesday, Hall D

Sara Amer
Purdue University

Taylor Chambers
University of Virginia

Hsin-Ju Chan
University of Wisconsin-Madison

Zijie Dai
University College London

Forough Doustkhahvajari
University of Pittsburgh

Joanna Gongora
Washington University School of Medicine in St. Louis

Yingchan Guo
University of Florida

Chao Guo
The Ohio State University

Kathryn Kothlow
University of Washington

Ebunoluwa O. Kukoyi
Brigham Young University

Kyle Lira
Vanderbilt University

Peng-Kai Liu
University of Wisconsin-Madison

Rowan Matney
University of Minnesota

Laura Penabad
University of Michigan

Daniel Richards
UMass Chan Medical School

Noah Roberts
University of Utah

Heidi Sabatini
Clemson University

Michael Strobel
University of California, Riverside

Kuan-Lu Wu
Florida State University, NHMFL

Zixuan Xiao
Technical University of Munich

UNDERGRADUATE STUDENT AWARDS
Award Presentations, 4:45 pm, Wednesday, Hall D

Caroline Canavan
University of California, Los Angeles

Ashley Caputo
Duquesne University

Sabrina Fernandez
Clemson University

Rithi Krishnaraj
University of California, Riverside

Shondiin Lawson
Bradley University

Liam McEvoy
University of California, Berkeley

Grant Myers
George Fox University

Sarah Rehm
University of North Carolina at Chapel Hill

Helena Rittenhouse
Northeastern University

Erik Sveen
Purdue University