

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

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



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.

Jack Henion is the recipient of the ASMS John B. Fenn Award for a Distinguished Contribution in Mass Spectrometry for his singular, focused achievement in the conception, development, and application of pneumatically assisted electrospray ionization.

Professor Jack Henion is Emeritus Professor of Toxicology at Cornell University, where he joined the College of Veterinary Medicine in 1976. In 1993, Dr. Henion co-founded Advion BioSciences, where he served as President and CEO until 2006, when he became Chief Scientific Officer of Advion, Inc.

During his tenure at Cornell, Professor Henion conducted pioneering research and explored applications in many areas of liquid chromatography/mass spectrometry (LC/MS), particularly employing atmospheric pressure ionization (API) sources. He has published over 235 peer-reviewed papers, trained nearly 100 students, post-doctoral scientists, and trainees, and received 12 patents for inventions arising from his work.

For more than four decades, he has developed and delivered an extraordinary range of short courses at ASMS, MSACL, Pittcon, ACS, and beyond—teaching at conferences, corporate sites, and online—leaving a lasting impact on tens of thousands of students.

Jack also served as ASMS Vice President for Arrangements from 2015 to 2017, ASMS Member-at-Large for Education from 1992 to 1994, and as a member of the JASMS Editorial Board from 1997 to 2004.

BIEMANN MEDAL

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

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.



Livia Schiavinato Eberlin is the recipient of the ASMS Biemann Medal for her groundbreaking scientific ideas that have advanced mass spectrometry in biomedical research in unprecedented ways. Her key contributions include the early development and application of mass spectrometry imaging for tissue analysis and cancer diagnosis.

Dr. Eberlin has authored over 95 scientific manuscripts and has received numerous prestigious honors, including a MacArthur Fellowship. Her innovative research has been supported by the NIH, CPRIT, and a range of industry and foundation grants.

A standout achievement from her independent career is the development of the MasSpec Pen (MSPen)—a handheld device designed for real-time, in vivo tissue analysis during surgery, with transformative potential for medical diagnostics and cancer treatment.

Livia served as the ASMS Board Member-at-Large for Education 2022-2024.

Dr. Eberlin is Professor of Surgery at Baylor College of Medicine.

AL YERGEY MS SCIENTIST AWARDS

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

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.



Dr. Vilmos Kertesz is recognized for his outstanding contributions to the field of analytical chemistry and mass spectrometry. Since joining Oak Ridge National Laboratory in 2000, Dr. Kertesz has demonstrated exceptional scientific leadership and innovation. His early work on enhancing electrospray ionization (ESI) significantly advanced the sensitivity and selectivity of solution-phase analyses.

He later pioneered transformative surface sampling and chemical imaging techniques—including flowprobe and laser ablation imaging—that have become essential tools in tissue imaging for drug discovery and development. Dr. Kertesz also co-developed and successfully commercialized groundbreaking liquid extraction technologies, such as LESA and dropletProbe, now widely adopted in research laboratories around the world.

A prolific inventor and innovator, Dr. Kertesz holds 21 patents, 9 software copyrights, and has authored 111 peer-reviewed publications. His ability to bridge scientific insight with practical application has resulted in five commercially available technologies, demonstrating his commitment to impactful, real-world solutions.

Dr. Kertesz exemplifies scientific excellence, creativity, and dedication, and his work continues to shape the future of mass spectrometry.



Michael Shortreed, Distinguished Scientist in the Department of Chemistry at the University of Wisconsin–Madison, has made outstanding contributions to both research and mentoring throughout his career.

With 83 publications to date, Dr. Shortreed continues to lead innovative, cutting-edge research as a highly creative and forward-thinking scientist. His work has significantly advanced the field of proteomics, particularly through the development of computational methods that have been implemented in widely used open-source software tools.

These tools—collectively known as MetaMorpheus (including FlashLFQ, O-Pair, and others)—are now utilized by hundreds of laboratories worldwide. The software suite has made a major impact on the field, enabling novel biological applications and transformative data analysis strategies in proteomics.



John E. P. Syka (Thermo Fisher Scientific) has been at the forefront of advancing mass spectrometry for over 43 years. He is the author of more than 45 peer-reviewed publications and holds over 35 U.S. patents. His innovation, curiosity, collaborative spirit, and steadfast commitment to excellence are reflected in many transformative MS technologies—including the development and commercialization of ion trap mass spectrometers (e.g., the 2D quadrupole linear ion trap), hybrid instruments (such as the LTQ-FT), and groundbreaking ion activation methods like Electron Transfer Dissociation (ETD).

Beyond his technical achievements, John has made a lasting impact as a mentor and educator, guiding generations of academic students, postdoctoral fellows, and industrial colleagues. John is also deeply committed to the ASMS community—chairing oral sessions, sparking meaningful discussions at posters and workshops, and engaging in numerous productive collaborations.

RON HITES AWARD OUTSTANDING RESEARCH PUBLICATION IN JASMS

Award Presentation: ASMS Meeting, 4:45 pm, Wednesday, Hall C (Lobby Level)

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.



Christian Bleiholder (Florida State University) along with co-authors (Fanny C. Liu, Mark E. Ridgeway, Christopher A. Wootton, Alina Theisen, Erin M. Panczyk, Florian Meier and Melvin A. Park) for their paper “Top-Down Protein Analysis by Tandem-Trapped Ion Mobility Spectrometry/Mass Spectrometry (Tandem-TIMS/MS) Coupled with Ultraviolet Photodissociation (UVPD) and Parallel Accumulation/ Serial Fragmentation (PASEF) MS/MS Analysis”; *J. Am. Soc. Mass Spectrom.* 2023, 34, 2232–2246

RESEARCH AWARDS

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

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



**Tian (Autumn)
Qiu**
Michigan State
University



Funded by



Qing Yu
University of
Massachusetts Chan
Medical School



Funded by

Waters

Varun Gadkari
University of
Minnesota

RESEARCH AT PRIMARILY UNDERGRADUATE INSTITUTION (PUI) AWARD

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

Funded by



Agilent

Emma Guiberson
Middlebury College



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 AB

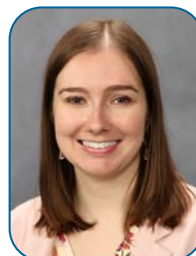
Postdoctoral Career Development Awards in the amount of \$5,000 promote professional career development of postdoctoral fellows in the field of mass spectrometry.



**Jamie P.
Butalewicz**
Naval Air
Warfare Center
Weapons
Division



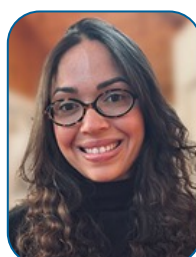
Brianna Garcia
Woods Hole
Oceanographic
Institute



Kathryn Kapp
Stanford University



Jericha Mill
University of
Wisconsin-Madison



**Carlismari Oliveira
Grundmann**
University of California,
Santa Cruz

DIVERSITY, EQUITY, INCLUSION, AND ACCESSIBILITY (DEIA) MENTORSHIP AWARDS

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

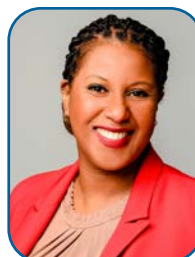


The newly established award recognizes ASMS members who have demonstrated exemplary service in STEM mentoring and/or recruitment of individuals from groups that are underrepresented in the field of mass spectrometry. Each award includes a \$1,000 cash prize funded by VRS Recruitment.

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



**Jennifer
Geddes-McAlister**
University of Guelph



Renā A. S. Robinson
Vanderbilt University

GRADUATE STUDENT AWARDS

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

Elly Breves

Rensselaer Polytechnic Institute

Joann Chongsaritsinsuk

Yale University

Jessie Deng

Queen's University

Allison Esselman

Vanderbilt University

Lauren Fields

University of Wisconsin - Madison

Jason Guerrero

University of California, Santa Cruz

Ericka Itang

Max Planck Institute of Biochemistry

Daniil Ivanov

University of Massachusetts Amherst

Tianze Ling

Tsinghua University

Sudam Shivaji Mane

Brigham Young University

Chris McGann

University of Washington

Kirill Miachin

Washington University at St. Louis

Zachary Miller

University of California, Berkeley

Holden Rogers

University of Wisconsin - Madison

Flowreen Shikwana

University of California, Los Angeles

Brisson Shira

Purdue University

Cailum Stienstra

University of Waterloo

Yanqi Tan

University of Illinois

Bo Wen

University of Washington

Charles Wolfe

Baylor College of Medicine

UNDERGRADUATE STUDENT AWARDS

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

Joelle Darrouj

University of California, Los Angeles

Rashi Gupta

Vanderbilt University

Arabella Garcia

University of Minnesota

Malgorzata Hopcias

AGH University of Krakow

Copeland Johnson

Clemson University

Michael Kelley

University of Wisconsin – Madison

Aryan Patel

Emory University

Vishnu Rajan Tejus

University of Washington

Jamison Shih

George Washington University

Alexander Zumock

The Ohio State University