JOHN B. FENN AWARD FOR A DISTINGUISHED CONTRIBUTION IN MASS SPECTROMETRY
Award Lecture: 4:45 pm, Monday, Hall C (Lobby Level)

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 is conferred at the ASMS Annual Conference with the presentation of a $10,000 cash award, a recognition plaque, and the award lecture.

Jennifer S. Brodbelt is the recipient of the 2024 ASMS John B. Fenn Award for a Distinguished Contribution in Mass Spectrometry for the development and applications of UltraViolet PhotoDissociation (UVPD) as a powerful ion fragmentation method for structural elucidation of biomolecules. Jenny Brodbelt has championed UVPD by:

- exploring its fundamental underpinnings,
- implementing and optimizing UVPD on an array of mass spectrometer platforms,
- developing innovative strategies to extend the impact and range of UVPD for analytical workflows, and
- showcasing its utility for numerous biological applications.

Jenny began her independent career in 1989, and a key overarching goal of her research program has been the development of new ion activation methods for tandem mass spectrometry. She has been driven by understanding how ions dissociate, and she aimed to explore alternative ion activation methods to overcome some of the deficits of other activation methods, including widely used collision dissociation methods. The theme of using UV photons to energize and dissociate ions has permeated nearly all of her group's work in the past decade, as evidenced by the large compilation of pertinent publications.

In addition to managing an impressive research program, Jenny is an uplifting influence to many students, colleagues, and friends who share her interest in sports and karaoke!

Dr. Brodbelt is the Rowland Pettit Centennial Chair in Chemistry and Larry R. Faulkner Departmental Chair for Excellence in Chemistry and Biochemistry at the University of Texas at Austin.

BIEMANN MEDAL
Award Lecture: 4:45 pm, Tuesday, Hall C (Lobby Level)

The Biemann Medal is awarded to recognize significant achievement in basic or applied mass spectrometry in the early stages of an academic career. The Medal is conferred at the ASMS Annual Conference with the presentation of a $5,000 cash award and the award lecture.

Gary J. Patti is the recipient of the 2024 ASMS Biemann Medal for his pioneering work in the field of metabolomics. Specifically, Gary has developed innovative experimental strategies and computational algorithms that leverage stable isotope labels to understand the dynamic role of metabolism in biology.

The resources that Gary has created are gold standards in the field, and his work is exemplary of how metabolomics should be applied to study biology. Three of Gary's major contributions to metabolomics include 1. "credentialing" mass spectrometry ions of biological relevance; 2. mapping the comprehensive fate of labeled nutrients; and 3. tracing metabolites exchanged between neighboring cells and tissues *in vivo*.

Dr. Patti is the Michael and Tana Powell Professor of Chemistry at Washington University in St Louis.

AL YERGY MS SCIENTIST AWARDS
Award Presentations: 4:45 pm, Monday, Hall C (Lobby Level)

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 memory of Al Yergey a well-respected scientist who was known as a dedicated mentor. Each award is conferred at the ASMS Annual Conference with $1,000 cash award and a recognition memento.

Iain D. G. Campuzano (Amgen Research) obtained a PhD from Southampton University and then pursued an industry career, working for Servier R&D, Cellzome, Micromass/Waters and since 2011 for Amgen Research, where he leads analytical characterization teams in the US and Canada. Iain has written over 70 peer-reviewed papers, patents and has mentored Amgen interns and post-docs. He is a strong supporter and promoter of mass spectrometry technologies and applications in industry. His most notable achievement was establishing high-throughput mass spectrometry as a key analytical method during the discovery and screening stages of LUMAKRAS, the first small molecule therapeutic that covalently targets the mutated oncogene $KRAS^{G12C}$.

Russell P. Grant (LabCorp) built a reputation for marrying clever chromatographic techniques to mass spectrometric (MS) detection and ultimately to the field of clinical diagnostics. He has cut the trail for the application of research-grade tools to human health. He selflessly participates in conferences and short courses in clinical chemistry and redirects honoraria into travel grants for students. When Russ is presenting in the poster hall, he always stands at his work to converse, teach and laugh with every reviewer.

Melvin Park (Bruker Daltonics) has worked over the past 30 years to advance the capabilities of advanced, high resolution mass spectrometry and ion mobility instrumentation. One of his most significant contributions is the invention of trapped ion mobility spectrometry (TIMS) technology that has largely revolutionized the field of biological mass spectrometry. Through his mentoring skills Mel conveys ingenuity, pursuit of performance and legacy to the field of mass spectrometry.

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.

Dimitris Papanastasiou (*Fasmatech Science & Technology*) is recipient of the 2024 Ron Hites Award along with co-authors (Diamantis Kounadis, Alexandros Lekkas, Ioannis Orfanopoulos, Andreas Mpozatzidis, Athanasios Smyrnakis, Elias Panagiotopoulos, Mariangela Kosmopoulou, Maria Reinhardt-Szyba, Kyle Fort, Alexander Makarov, and Roman A. Zubarev) for their paper "The Omnitrap Platform: A Versatile Segmented Linear Ion Trap for Multidimensional Multiple-Stage Tandem Mass Spectrometry"; *Journal of the American Society for Mass Spectrometry*, 2023, 34, 7, 1359-1371.

RESEARCH AWARDS
Award Presentations: 4:45 pm, Tuesday, Hall C (Lobby Level)

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 and are made to the institution on behalf of the recipient.

Funded by BRUKER

Elizabeth K. Neumann
University of California, Davis

Funded by ThermoFisher SCIENTIFIC

Nicholas M. Riley
University of Washington

Funded by Waters

Gabe Nagy
University of Utah

RESEARCH AT PRIMARILY UNDERGRADUATE INSTITUTION (PUI) AWARD
Award Presentation: 4:45 pm, Tuesday, Hall C (Lobby Level)

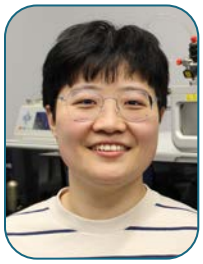
Funded by Agilent

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 and is made to the institution on behalf of the recipient.

Micah T. Donor
George Fox University

POSTDOCTORAL CAREER DEVELOPMENT AWARDS
Award Presentations: ASMS Meeting, 4:45 pm, Wednesday, Hall C (Lobby Level)

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



Xingyu Liu
Washington University in St Louis

David S. Roberts
Stanford University

Pei Su
Northwestern University

Timothy J. Trinklein
University of Illinois Urbana-Champaign

Shuling Xu
University of Wisconsin-Madison

DIVERSITY, EQUITY, INCLUSION, AND ACCESSIBILITY (DEIA) MENTORSHIP AWARDS
Award Presentations: ASMS Meeting, 4:45 pm, Wednesday, Hall C (Lobby Level)

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. The award includes $1,000 funded by VRS Recruitment and engraved plaque.

Leonard Foster
University of British Columbia

Benjamin A. Garcia
Washington University School of Medicine in St Louis

GRADUATE STUDENT TRAVEL AWARDS
Award Presentations: ASMS Meeting, 4:45 pm, Wednesday, Hall C (Lobby Level)

Duong Bui
University of Alberta

Nikolas Burton
UCLA

Emily Chapman
University of Wisconsin-Madison

Jessie Chappel
North Carolina State University

Casey Chen
University of California, Berkeley

Julia Danischewski
Rensselaer Polytechnic Institute

Kai-Hung Huang
Purdue University

Anastasiia Kostenko
University of Denver

Mohsen Latif
IUPUI

Dongyang Liu
Peking University

Jade Macdonald
Medical University of South Carolina

Jessica Molina Franky
City of Hope

Ralph John Emerson Molino
University of Illinois Chicago

Denys Oliinyk
University Klinikum Jena

Abzer Kelminal Pakkir Mohamed Shah
University of Tuebingen

Allison Reardon
Vanderbilt University

Catelynn Shafer
University of California, Davis

Bowen Shen
University of Maryland, College Park

Isabella Whitworth
University of Wisconsin-Madison

Bingsen Zhang
Cornell University

UNDERGRADUATE STUDENT TRAVEL AWARDS
Award Presentations: ASMS Meeting, 4:45 pm, Hall C (Lobby Level)

Michael Hayes
Saint Mary's College of California

Margaret Hoare
University of Rochester

Walker Hodges
Clemson University

Katherine Lee
University of California, Berkeley

Brad Li
University of Wisconsin-Madison

Mathula Muhundan
University of Toronto

Elliot Patrenets
University of Wisconsin-Madison

Nikhiya Shamsher
Stanford University

Alexander Smiarowski
University of North Georgia

Peyton Windham
Furman University