

Metals Specialty Section

The Metals Specialty Section (MSS) consists of experts in all aspects of the field of metal toxicology including mechanisms of action, analytical procedures, regulatory issues and assessment of target organ toxicity. MSS holds regular meetings at the SOT Annual Meetings to discuss topics of interest to the membership.

Key Issues and Goals:

Outreach – relate the latest developments in metals to the activities of the Society of Toxicology and to stimulate new growth within the field of metals toxicology

Education – conduct programs and educational activities which emphasize the latest developments in metals

Leadership – to act as a resource to the Society regarding metals

Collaborations – to serve as a focal point for interactions of members of the MSS

History

In 1979, at the SOT annual meeting in New Orleans, a group of passionate metal researchers decided to exchange reprints and share research interest. They presented a metals poster and offered coffee and cookies to encourage collaboration amongst researchers and to attract graduate students to the rapidly expanding field of metal toxicology. The group was named the “metal club” and its founding members included: Drs. George Cherian, Bruce Kelman, Carol Angle, Ed Massaro, Craig Snell, Zahir Shaikh, and Ernest Foulkes. After the meeting, Dr. Tom Miya contacted Dr. Cherian and asked about the details of the metals club and informed him that SOT was wanting to begin specialty sections and if he would organize a Metals Specialty Section (MSS). And so, the MSS became one of the first SOT specialty sections and played an instrumental role in forming other sections. *This year we celebrate forty-seven years since the MSS was founded!*

Thank you to our sponsors!



Thank you to MDPI for sponsoring our new Trainee Paper of the Year Award!



Thank you to Malvern Analytical for a \$2500 contribution to sponsor the 2026 MSS Annual Reception!

2025 Career Achievement Award Recipient

“Recognizes a senior investigator whose outstanding research accomplishments have substantially advanced our understanding of metals toxicology.”



Dr. Donald R. Smith, Professor – Department of Microbiology & Environmental Toxicology, Institute of Marine Sciences and Chemistry & Biochemistry, UC Santa Cruz

2025 Bruce A. Fowler Metals Young Investigator Endowment Fund Award Recipient

“Recognizes an early career scientist who has made significant contributions to the field of metals toxicology.”



Dr. Souvarish Sarkar, Assistant Professor – Department of Environmental Medicine and Neuroscience, University of Rochester Medical Center

2025 Postdoctoral Fellow and Graduate Student Award Recipients

Postdocs



1st Place:
Dr. Alexander Rodichkin
Supervisor:
Dr. Menghang Xia



2nd Place:
Dr. Masato Ooka
Supervisor:
Dr. Thomas Guilarte



3rd Place:
Dr. Ho Young Lee
Supervisor:
Dr. Young-Mi Go



1st Place:
Sam Vielee
Supervisor:
Dr. Johnny Wise



2nd Place:
Katie Clark
Supervisor:
Dr. Fiona E. Harrison



3rd Place:
Aiesha Anchan
Supervisor:
Dr. Souvarish Sarkar

Graduate Students

SOT - 2026 Metals SS Highlights

METALS SPECIALTY SECTION ANNUAL ASSEMBLY AND EVENING RECEPTION

March 25th, 6:00 – 7:30 PM

Rancho Santa Fe, Marriot Marquis Marina

Please join us for the 2026 Metals Reception where we will announce the 2026 award recipients!

METALS SPECIALTY SECTION SPONSORED SYMPOSIUMS

New Insights into Manganese Neurotoxicity: From Molecular to Clinical Studies, March 24th, 8:00–10:45 AM, Ballroom 6B, Convention Center

Mechanism of Metal Neurotoxicity in the Era of ‘Omics, March 25th, 1:30 – 4:15 PM, Ballroom 6D Convention Center

Metal Toxicity Meets Stem Cell Innovation: Early-Stage Scientists Forging New Frontiers in Environmental Health, March 25th, 1:30 – 4:15 PM, Ballroom 6C, Convention Center

METALS-RELATED POSTER SESSIONS

Metals I: March 24th, 1:45 – 4:15 PM

Metals II: March 25th, 9:15 – 1:45 AM

Neurotoxicity: Metals: March 23rd, 1:45 – 4:15 PM

Metalheads! Don’t forget to pick up your Metals SS badges from our MSS president, Dr. Jamie Wise!

SOT - 2026 Metals Highlights



Check out our website for more information



Check out our new LinkedIn page!



Consider donating to help cover costs associated with the Metals Annual Reception

2025 – 2026 Officers

President	Dr. Jamie Young	jamie.young.1@louisville.edu
Vice President	Dr. Richard Ortega	richard.ortega@u-bordeaux.fr
Vice President-Elect	Dr. Aaron Specht	aspect@purdue.edu
Secretary/Treasurer	Dr. Rachel Wise	rmwise22@gmail.com
Past President	Dr. Somshuvra Mukhopadhyay	som@austin.utexas.edu
Councilor	Dr. Pan Chen	pan.chen@einsteinmed.edu
Councilor	Dr. Johnny Wise	john.wise@utoledo.edu
Postdoctoral Representative	Dr. Alexandra Nail	alexandra.nail@louisville.edu
Student Representative	Nivetha Kamalavanna Subramaniam	nivetha.subramaniam@mail.mcgill.ca