

**Metallomics** is the study of metals and metal species, their interactions, transformations, and functions in biological systems. While traditional approaches have focused on the role and interactions of a single (or few)



metals in a protein or enzyme system, metallomics purports to study global relationships and multielement interactions. As such, the challenges for chemical and bio-chemical characterization are significant. The **2009 International Symposium on Metallomics** will be held on **June 7 - 10, 2009** in Cincinnati/Northern Kentucky USA, which immediately follows the American Society for Mass Spectrometry Meeting in Philadelphia. ISM '09 builds on the outstanding meeting held in Nagoya, Japan in 2007, <http://www.ism2007.org/>, and will bring together scientists from the biological, chemical, environmental, clinical and measurement sciences to effect a greater understanding of the role of metals and metal compounds impacting these disciplines. The conference will be both intellectually stimulating *and* socially rewarding. For complete detail and registration information, see our website <http://www.uc.edu/plasmachem/iswm/index.htm> or contact: [joseph.caruso@uc.edu](mailto:joseph.caruso@uc.edu)

**An Exceptional Group of Symposia**

- Metallomics Tech
- Biogeo Metallomics
- Human Metallomics
- Phyto Metallomics
- Microbial Metallomics
- Environmental Metallomics
- General Sessions
- to develop a full Metallomics picture
- Metallomics Tech
- including instrumentation, metal tags, imaging



**Join** us in June for this excellent science and social experience. We will have senior scientists, as well as students and postdocs participating, providing an atmosphere that is highly interactive and sure to spark new ideas and metallomics research, as we build bridges to cross the disciplines.

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**An Exceptional Group of Invited Speakers**

- Mike Adams U. Georgia
- Ariel Anbar Arizona State U.
- Sabine Becker Analytical Research Center, Jülich
- Jörg Bettmer U. Oviedo
- J. Luis Gomez-Ariza U. Huelva
- Meike Hamester ThermoFisher
- Hiroki Haraguchi Nagoya U.
- Norbert Jakubowski ISAS Dortmund
- Naoki Furuta Chuo U.
- Ryszard Lobinski CNRS Pau
- Wolfgang Maret U. Texas
- Claude Meares U.C. Davis
- Himadri Pakrasi Washington U.
- Andreas Prange GKSS Hamburg
- Alvaro Puga U. Cincinnati
- Steve Ray Indiana U.
- David Salt Purdue U.
- Alfredo Sanz-Medel U. Oviedo
- B. 'Amu' Sarkar Toronto, Hospital for Sick Children
- Joanna Szpunar CNRS Pau
- Scott Tanner U. Toronto
- Kasia Wrobel U. Guanajuato
- Yasumitsu Ogra Chiba U.
- Jeff Zaleski Indiana U.

