Saint Louis Section
American Chemical Society
Chemical Bond

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Breaking meta-news on the History of Chemistry

first published 2 March 2022

The History of Chemistry Division of the American Chemical Society (HIST) celebrates its centennial this year, but this gift is for you: free open-access to the commemorative issue of the *Bulletin for the History of Chemistry*. Prominent chemist-historians and historian-chemists were invited to contribute essays on the theme "Novel Insights in the History of Chemistry: Looking Back Yet Mostly Looking Forward."

Cover art for the commemorative issue is a photo collage of all past (and one present) chairs of HIST. Go there to find Jane Miller (first on the left in the fourth row), 1977 HIST Chair. **Jane Miller** was a member of our Local Section and faculty of UM-St Louis. Jane cut her HIST teeth as the first Historian of the Section, and drafted the first section history narrative, now maintained by Jane's successor, **Lol Barton**.

Archives of the *Bulletin* go open-access after a three-year moratorium for members' and subscribers' exclusive access. You can see the open-access archive here. Carmen Giunta, Professor Emeritus of Chemistry at Lemoyne College, is the editor of the *Bulletin*. Dr Giunta's website presents an interesting compilation of histori-chemical sites to complement the *Bulletin*.

HIST is the home within ACS for chemists interested in the history of their discipline. You can see more information about the History of Chemistry Division at acshist.scs.illinois.edu.

Michael Heinz is the 2022 Chemical Science and Technology Award Winner!

first published 15 March 2022

Submitted by Rui Tang

It is my pleasure to announce the winner of the 2022 American Chemical Society, St. Louis Section, Chemical Science and Technology Award, Michael Heinz, BS. He is currently the Assistant Director of the Genome Technology Access Center at the McDonnel Genome Institute (GTAC@MGI), Washington University School of Medicine. The GTAC@MGI is one of the nation's premier academic genomic sequencing and technology facilities. The facility provides access to cutting-edge genomics technology and services and unparalleled expertise in their application to medical and agricultural research. Furthermore, GTAC@MGI supports these research efforts at Washington University and hundreds of other academic and industrial laboratories worldwide.


Michael Heinz, the 2022 ACS St. louis Section Chemical Science and Technology Award Winner

Mr. Heinz joined Genetic Microarray Core at Washington University back in 2002. Starting as a senior research technician, he has been involved in improving processes, providing technical support for the facility, and developing new strategies for the lab. He has worked in a supervisory role in Genetics core facilities since 2007. As an assistant director, Mr. Heinz plays numerous critical roles in the research operations at GTAC@MGI. As the day-to-day operations manager, he helps to facilitate mountains of research by overseeing various laboratories and workflows. Currently, four Research Laboratory Managers report to Mr. Heinz. His responsibilities extend across many high-complexity assays and workflows – global gene expression profiling with RNA-Seq, PacBio long-read sequencing, and methylation profiling with high throughput microarrays. Extending well beyond just the oversight of these operations, Mr. Heinz meets daily with investigators in advance of their studies to help ensure proper design for the given technology(s) and the scientific question being asked.

Moreover, Mr. Heinz will often continue to play a role in project management for many studies from their beginning to a successful conclusion. GTAC@MGI is staffed by approximately 75 scientists and technicians, half under Mr. Heinz's direction, and processes 50,000 to 100,000 samples every year, supporting thousands of projects, researchers, and clinical tests. For the past several years, the faculty, facility, and staff of GTAC@MGI have been acknowledged in or co-authored over 100 peer-reviewed publications every year.

In addition to the thorough oversight of many research projects, Mr. Heinz is also responsible for overseeing clinical laboratory services provided by the GTAC@MGI. These responsibilities extend to patient testing for cancer, renal, and cardio disease – all assayed with next-generation sequencing – and cytogenetic testing with chromosomal microarrays. In a particularly acute example of community impact, Mr. Heinz and his lab were instrumental in quickly discovering and developing a sensitive, high-throughput saliva-based SARS CoV-2 test. Mr. Heinz continues to oversee this laboratory, responsible for clinically testing thousands of samples per week to help contain the spread of the virus during the pandemic.

Mr. Heinz's distinguished career has been spent at the intersection of science and business, throughout which he has been a critical driver of the development of GTAC@MGI. His efforts, expertise, drive, dedication, and impact on the success of medicine and medical research are paralleled by very few.

Announcing the 2022 Outstanding Junior Chemistry Students

first published 28 March 2022

The St. Louis chapter of the American Chemical Society is pleased to announce the winners of the Outstanding Junior Chemistry Student awards for 2022. Each college and university in the local section territory chooses its winner.

ACS 2022 WINNERS
OUTSTANDING JUNIOR CHEMISTRY STUDENT AWARDS

Jennifer Osmond
Greenville University

Isaac Funetes
Lindenwood University *

Grace Kelley
Maryville University

Gloria Ishimwe
Principia College

Jonah Koch
Saint Louis University *

Olivia Y. Beckwith
Southern Illinois University – Edwardsville *

David Auston
University of Missouri – St. Louis *

Brian Sohn
Washington University *

Angelina Ellis
Webster University

* ACS Approved Programs

Saint Louis Award seeks 2022 nominees

first published 27 February 2022

The Saint Louis Section ACS Award, originally sponsored by the Monsanto Company and administered by the Saint Louis Section–ACS, is presented to an individual who has made outstanding contributions to the profession of chemistry and demonstrated potential to further the advancement of the chemical profession, especially early in their career. The awardee is selected by a review committee constituted by the Section. The award consists of a $1,500 honorarium and a plaque.

Nominations are accepted at any time, however, those **received by April 30** are considered for the award presented the following October. Non-winning nominees are automatically considered candidates for three years unless withdrawn by the nominator or the candidate. The nominator may update the carried-forward nomination with new information before April 30.

At the time of the nomination, the nominee must not have previously received the Midwest Award or any national ACS-sponsored award and must be a member or affiliate of the Saint Louis Section–ACS.

The nomination process, as well as a blog thread of past awards and a list of past awardees, can be found here. We urge anyone familiar with an outstanding Saint Louis-area chemist to help us recognize them with this prestigious award. Please send nominations and inquiries to the Saint Louis Award coordinator.

Meeting & Seminars

Board of Directors

St Louis Section–ACS Board of Directors meets the second Thursday of each month over Zoom for the forseeable future

Date: April 14th (via Zoom)

Join internet meeting at 6:00 pm for social/chit-chat
Business meeting begins at 6:30 pm

Future meetings: The next meetings before the summer hiatus is May 12th

Maryville University

Seminars are approximately once a month on Thursdays, 4-5 pm. Details are available on the university's seminar page. All seminars are free and open to the public. Contact Jason Telford for more information.

Saint Louis University

Seminars are generally on Fridays at 12 noon in Carlo Auditorium, Tegeler Hall, unless noted otherwise. Refreshments follow. For the most up-to-date information, refer to the department's home page and follow the link to the Seminar Schedule.

University of Health Sciences & Pharmacy in St. Louis

The Center for Clinical Pharmacology hosts a monthly seminar series in ARB 212 unless otherwise noted. For the most up to date information refer to the center's seminar page or contact Jodi Maslin.

University of Missouri–St Louis

Mondays at 4 pm in 451 Benton Hall, unless otherwise specified. Refreshments 15 minutes prior to seminar time. For timely information on visiting seminar speakers, contact the Chemistry Department, 314.516.5311, or visit the seminar schedule. The department has additional seminar series which are also accessible from this page.

Washington University

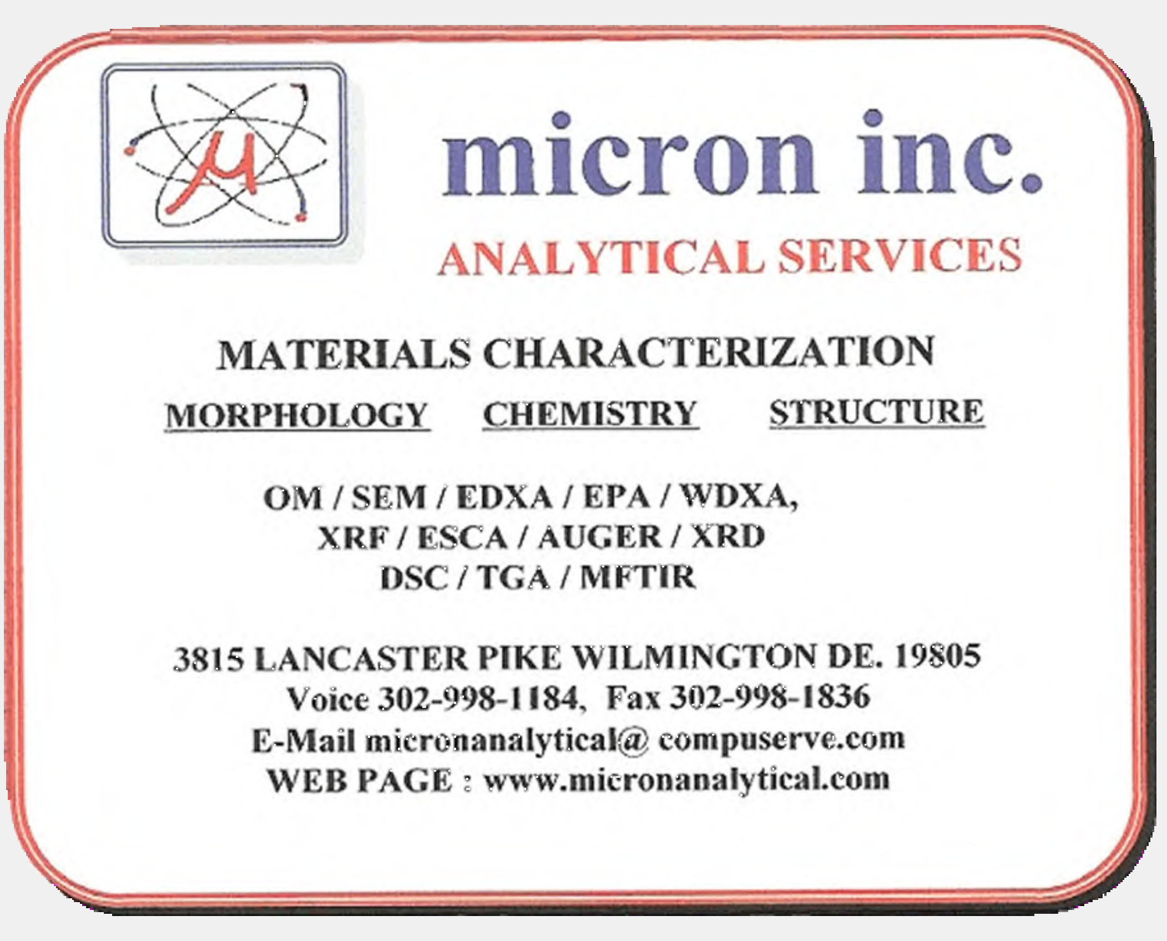
Seminars are in McMillen 311 at 4 pm unless otherwise noted. For information, consult the departmental events page. Related seminars, including endowed seminar series and the WU med school biochemistry series, are linked here as well.

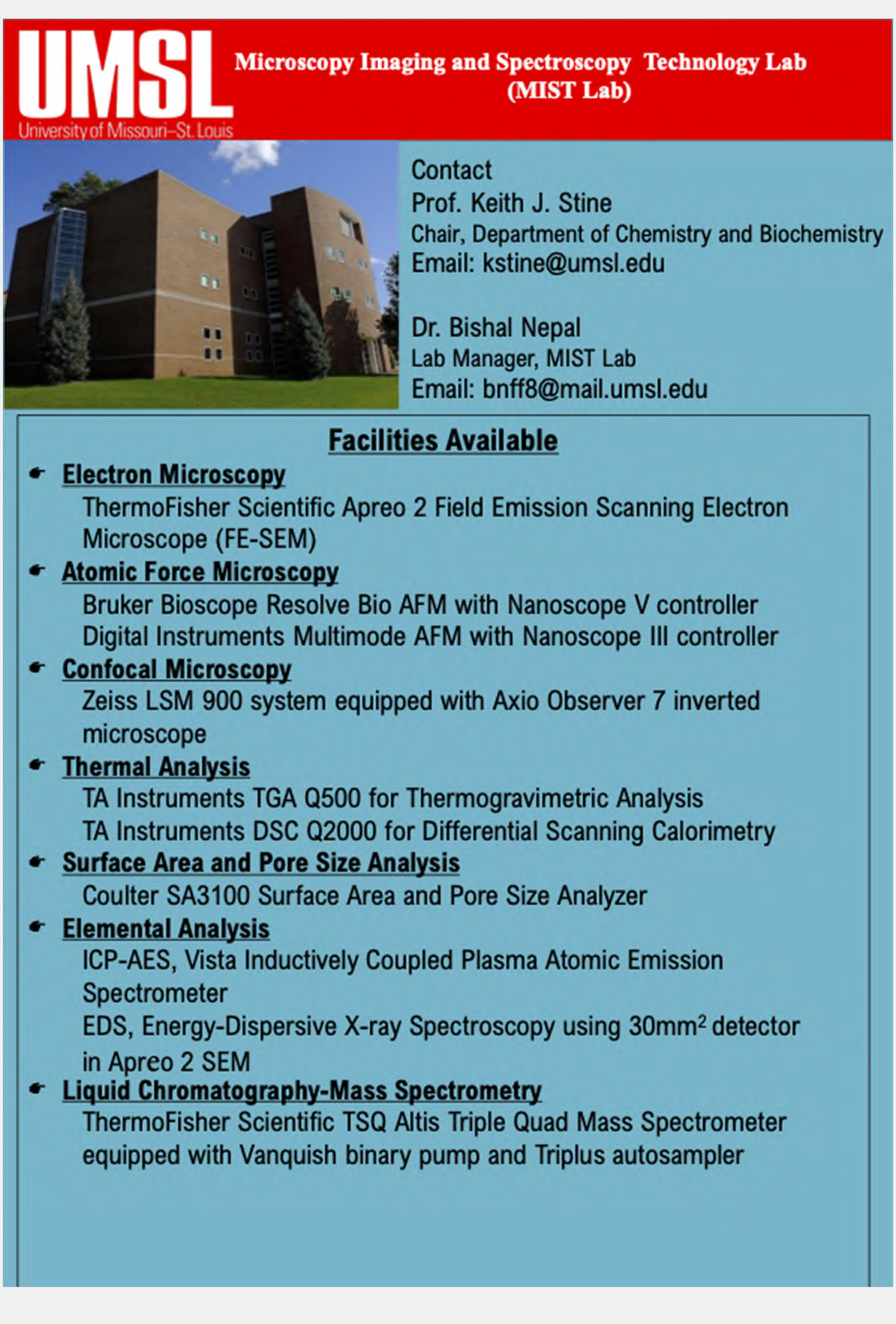
45th Annual
Probst Memorial Lecture

Dr. Shang-Tian Yang
The Ohio State University

Industrial Biotechnology and Biorefineries in a Circular Bioeconomy
Wednesday, April 27th, at 7:00 PM
Meridian Ballroom in the Morris University Center at SIUE campus

SOUTHERN ILLINOIS UNIVERSITY EDWARDSVILLE





About the Chemical Bond

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Correspondence, letters to the editor, etc., should be emailed to editor@stlacs.org or mailed ℅ St Louis Section–ACS, PO Box 410192, Saint Louis, MO 63141-0192.

Editor	Jeramia Ory	314.446.8169 editor@stlacs.org
Associate Editor	Eric Ressner	314.962.6415 editor@stlacs.org
Assistant Editor & Advertising Manager	Keith Stine	314.516.5346 advmgr@stlacs.org
Business Manager	Donna Friedman	314.513.4388 bizmgr@stlacs.org