Indianapolis contains six thriving and distinct Cultural Districts, each offering an eclectic mix of shopping, dining and entertainment. The city’s newest amenity, the Cultural Trail, is a bicycle and pedestrian path that winds through downtown connecting visitors with these unique neighborhoods. The city also offers over 250 diverse dining options for all palates and price points most of which are within easy walking distance of the convention center and ASMS block hotels.

Opportunities for Students. ASMS offers conference travel awards for Graduate Students ($1,000) and Undergraduate Students ($500). The application deadline is January 15. In addition, travel stipends are available to students. View details at www.asms.org.

Corporate Membership and Exhibits. The participation of ASMS Corporate Members is an integral part of the conference. A Corporate Member exhibit booth or hospitality suite provides access to over 6,500 scientists attending one of the most dynamic conferences in the world. Information is online at www.asms.org.

Spouse/Companion Badge. Spouse/companion badges allow access to the Welcome Reception and hospitality suites. Spouse/companion may not attend posters, talks, or exhibits. A purchased ticket is required for the Closing Event.

Closing Event at the Indiana State Museum. Join your colleagues for a festive social event on Thursday evening. Just a short walk from the convention center, the museum is a premier Indianapolis venue with incredible architecture and beautiful views onto the canal that runs through downtown Indy. Enjoy buffet dinner, an IMAX showing, and a ride on one of the canal gondolas. Advance purchase tickets are required. Cost is $30 per person. Purchase online with your conference registration at www.asms.org.

Accommodations. Hotel reservations are managed online at www.asms.org.

<table>
<thead>
<tr>
<th>Hotel</th>
<th>Rate</th>
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<tbody>
<tr>
<td>JW Marriott</td>
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<td>Marriott Downtown</td>
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<td>Westin</td>
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<td>Springhill Inn &amp; Suites</td>
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<tr>
<td>Fairfield Inn</td>
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</table>
Short Courses

Go to www.asms.org to view a description of each course. Short courses have limited enrollments. The deadline for registration is April 30. There is no on-site registration for short courses.

TWO-DAY SHORT COURSES Saturday and Sunday, June 4 - 5, 2017

01 Bioinformatics for Protein Identification

Instructors: Nuno Bandeira (University of California San Diego), Alexey Nevzovskii (University of Michigan Health System), David Tabb (Stellenbosch University)

02 Clinical Diagnostics: Innovation, Validation, Implementation and Operation by Mass Spectrometry

Instructors: Russell Grant, Chris Shuford (Laboratory Corporation of America), Brian Rappold (Essential Testing)

03 DMPP: Experimentation and Data Interpretation

Instructors: Mark Hayward (UTS Solutions and Active Ingredient Technologies), Mike S. Lee (Milestone Development Services), Naidong Weng (Janssen Research and Development), Mingshe Zhu (Bristol-Myers Squibb)

04 Glycans and Glycoproteins in Mass Spectrometry

Instructors: Jon Amster (University of Georgia), Carlito Lebrilla (University of California, Davis), Ron Orlando (University of Georgia), Joe Zaia (Boston University)

05 High Resolution Mass Spectrometry for Qualitative and Quantitative Analysis: An Introduction

Instructors: Ragu Ramanathan, Matthew Blatnik, Cong Wei (Pfizer)

06 LC-MS: Techniques of Electrospray, APCI and APPI: Understanding and Optimizing to Develop Successful LC-MS Methods

Instructor: Robert D. Voytko (LCMS Limited)

Short Courses

Conference Registration

Corporate Hospitality Suites, JW Marriott Hotel

TUESDAY JUNE 6

8:30 - 10:30 am

Oral Sessions

- TOA Informatics: Peptide and Protein Identification
- TOB Quantitative Analysis in Drug Discovery and Development
- TOC Qualitative and Quantitative Analysis of Post-translational Modifications
- TOD Quantitative Analysis in Drug Discovery and Development
- TOE Covalent Labeling and Chemical Crosslinking
- TOF Environmental: New Instrumentation and Approaches
- TOG Instrumentation: MS in Extreme Environments
- TOH Fundamentals: Ion Activation and Dissociation

Poster Session, Exhibits, Lunch Break

Instructor: Perry Wang, LC-MS Technical Expert

Plenary Session: Biemann Medal

Corporate Hospitality Suites, JW Marriott Hotel

WEDNESDAY JUNE 7

8:30 - 10:30 am

Oral Sessions

- WOA Informatics: Data-Independent Acquisition: Innovative Methods and Applications
- WOB Food Safety & Chemistry: Food-nontargeted screening
- WOC Biometrics: Qualitative Analysis
- WOD Lipidomics: Lipids and Profiling
- WOE Glycoconjugates and Glycoproteins
- WOF Imaging: Instrumentation & Method Development
- WOG Instrumentation: MS in Extreme Environments
- WOH Fundamentals: Photoionization and Photodissociation

Poster Session, Exhibits, Lunch Break

Instructor: Gary Patti (Washington University School of Medicine)

ASMS Meeting

Corporate Hospitality Suites, JW Marriott Hotel

ONE-DAY SHORT COURSES

16 Metabolomics: Analyzing Chemical and Biological Diversity (Saturday)

Instructor: Gary Patti (Washington University School of Medicine)

17 Metabolomics: Analyzing Chemical and Biological Diversity (Sunday)

Instructor: Gary Patti (Washington University School of Medicine)

18 Advanced Metabolomics: Bioinformatics and Systems Biology (Sunday only)

Instructors: Gary Szudzik (Scraps Research Institute) and Caroline Johnson (Yale School of Public Health)

19 Introduction to GLP Regulations and Bioanalytical Method Validation by LC-MS/MS (Sunday only)

Instructor: Perry Wang, LC-MS Technical Expert

20 Ion Mobility Mass Spectrometry: An Introduction to Instrumentation, Applications, and Data Analysis (Sunday only)

Instructors: Brian H. Clovers (Washington University School of Medicine), Erin Baker (FNIL), John A. McLean (Vanderbilt University)
THURSDAY JUNE 8
8:30 - 10:30 am  Oral Sessions
• ThOA Informatics: Innovations
• ThOB MS in the QC Lab
• ThOC Membrane Protein MS
• ThOD Nucleic Acids and Oligonucleotides
• ThOE Native MS in Structural Biology
• ThOF Imaging: Pharmaceuticals, Metabolites, and Lipids
• ThOG GC/MS, GC/MS/MS, and GC/HRMS
• ThOH Fundamentals for Every Mass Spectrometrist

4:45 - 5:30 pm  Poster Session, Exhibits, Lunch Break

2:30 - 4:30 pm  Oral Sessions
• ThOA Informatics: Discovery Proteomics
• ThOB HRMS for Quantitation in Drug Discovery, Development and Beyond

10:30 am - 2:30 pm  Two-Day Short Courses  (Saturday and Sunday)
15  ThOA Informatics: Innovations
16  ThOC Membrane Protein MS
17  ThOD Nucleic Acids and Oligonucleotides
18  ThOE Native MS in Structural Biology
19  ThOF Imaging: Pharmaceuticals, Metabolites, and Lipids
20  ThOG GC/MS, GC/MS/MS, and GC/HRMS
21  ThOH Fundamentals for Every Mass Spectrometrist

19:00 - 21:00 pm  Closing Event, Indiana State Museum

Register online: www.asms.org  The deadline for advance registration is April 30. After April 30, fees increase by $50. Short Course registration closes on April 30.

Cancellations.  To cover the cost of handling and processing, $40 is deducted from the total refund for cancellations. Conference registration cancellation must be received in writing on or before May 15, 2017. Short Course cancellation must be received by May 15.

Name: ____________________________  I am an UNDERGRADUATE student.  ☐
Company/Institution: ____________________________  ____________________________
Address: ____________________________  ____________________________
Phone: ____________________________  Email: ____________________________

Advance Conference Registration
☐ ASMS Member, $150*  ☐ ASMS Student Member, $75**  ☐ Non-member, $300
☐ Student Non-member, $120**  ☐ Emeritus Member, No Charge

Non-members Only  If you are registering as a non-member, you may receive a one-year subscription to the Journal of the American Society for Mass Spectrometry (JASMS) for an additional $20.

Check ONE course for which you wish to register

<table>
<thead>
<tr>
<th>TWO-DAY SHORT COURSES</th>
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<th>Student**</th>
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<td>$150</td>
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<tr>
<td>02 Clinical Diagnostics by MS</td>
<td>$400</td>
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<td>03 DMSPK: Experimentation and Data Interpretation, includes cost of textbook.</td>
<td>$500</td>
<td>$800</td>
<td>$250</td>
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<td>04 Glycans and Glycoproteins in Mass Spectrometry</td>
<td>$400</td>
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<tr>
<td>07 LC-MS: Advanced Techniques and Applications</td>
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<td>08 LC-MS: Practical Maintenance and Troubleshooting</td>
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<td>09 MALDI Imaging Mass Spectrometry: Tools &amp; Techniques</td>
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<td>10 Mass Analyzers: Everything about Common Mass Spectrometers</td>
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<tr>
<td>11 MS/MS: An Introduction</td>
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<td>12 Peptides and Proteins in Mass Spectrometry</td>
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<td>14 Protein Therapeutics: Practical Characterization and Quantitation</td>
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<td>15 Quantitative Mass Spectrometry</td>
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Check one or two courses for which you wish to register

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<tr>
<th>ONE-DAY SHORT COURSES</th>
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<th>Student**</th>
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<tbody>
<tr>
<td>16 Metabolomics: Analyzing Chemical and Biological Diversity (Saturday)</td>
<td>$300</td>
<td>$500</td>
<td>$75</td>
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<tr>
<td>17 Metabolomics: Analyzing Chemical and Biological Diversity (Sunday)</td>
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<tr>
<td>18 Advanced Metabolomics: Bioinformatics and Systems Biology (Sunday only)</td>
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<td>$75</td>
</tr>
<tr>
<td>19 Intro to GLP Regulations and Bioanalytical Method Validation by LC-MS/MS (Sunday only)</td>
<td>$300</td>
<td>$500</td>
<td>$75</td>
</tr>
<tr>
<td>20 Ion Mobility MS: Instrumentation, Applications, &amp; Data Analysis (Sunday only)</td>
<td>$300</td>
<td>$500</td>
<td>$75</td>
</tr>
</tbody>
</table>

* To register as a member, ASMS dues for 2017 must have been processed by ASMS prior to conference registration.
** To qualify for the student rate, you must be enrolled full-time in a degree program up to and including the Ph.D. at the time of the conference.

Enter registration amount $ ___________

Non-members ONLY, enter $20 for optional JASMS subscription $ ___________

Check short course amount $ ___________
Enter short course amount $ ___________

Spouse/Companion includes Welcome Reception on Sunday and name badge. Does not give access to scientific talks, posters or exhibits. Enter $10.

Closing Event  Thursday, June 8.  $30 per registrant, $30 per registered spouse/companion. (Limit one ticket per registrant & one ticket per spouse/companion)

Closing Event amount $ ___________
Enter companion amount $ ___________

Payment Method
☐ I have enclosed a check or money order payable to ASMS for the TOTAL AMOUNT. Purchase orders or money transfers cannot be accepted. Checks must be payable in U.S. dollars and through a U.S. bank.
☐ Please charge the TOTAL AMOUNT to my Visa, MasterCard, or AMEX.

TOTAL AMOUNT $ ___________

Send this form with payment to: ASMS Conference, 2019 Galisteo Street, Building I-1, Santa Fe, NM 87505
Fax: (505) 989-1073  (Faxed registrations must include credit card information.)
65th Conference on Mass Spectrometry and Allied Topics

June 4 - 8, 2017
Indianapolis, Indiana

IMPORTANT DEADLINES

January 15
Application for undergraduate or graduate student conference travel award

February 3
Abstract submission

April 30
Advance conference registration and short course registration

April 30
Hotel reservations at conference rates

www.asms.org

SHORT COURSES June 3 - 4