



Write your name here:

40th Asilomar Conference on Mass Spectrometry

HIGH-THROUGHPUT MASS SPECTROMETRY New Developments and Applications

Friday, October 9 - Tuesday, October 13, 2026
Asilomar Conference Center, Pacific Grove, CA

Organizers

Chang Liu, *SCIEX*

Hui Zhang, *Iambic Therapeutics*

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ASMS Small Conference Committee

Ryan Bain
BATF

Erica Forsberg
Bruker

Kari Basso
University of Florida

Michael Marty
University of Texas, Austin

Lingjun Li, ASMS Board Representative
University of Wisconsin

GENERAL INFORMATION

INTERNET / WiFi ACCESS

There is complimentary wi-fi access in the session room (Chapel). This is different than the guest room network.

- Connect to network: Asilomar Conference **or** Asilomar Conference 2
- Enter Promo Code: **conference2026** (case sensitive, no spaces) and an email address.
- Accept the terms & conditions

MEALS AT ASILOMAR

For attendees lodging at Asilomar you will receive meal tickets for all meals beginning with dinner on Friday and ending with lunch on Tuesday. A vegetarian option is always available upon request at the meal line. *For Tuesday a box lunch has been requested for you, please use your remaining lunch ticket to pick up your box lunch on Tuesday morning, 7:30-9:00 am in Crocker Dining Hall.*

Offsite Attendees or not in ASMS room block. If you paid the offsite fee, your name badge will include three lunch tickets, along with any dinner tickets you purchased in the registration portal. If you didn't pay the offsite fee, lunch tickets won't be included.

All meals are available as "To-Go". You can take your "To-Go" meal to the beach or find a nice perch on the campus.

EVENING RECEPTIONS

Friday, Saturday, and Sunday evenings an informal reception in Chapel immediately following the evening session. These evening mixers are an opportunity to continue lively discussion and interact with fellow attendees.

SUNDAY FREE AFTERNOON

There is a free afternoon. Attendees are encouraged to join others for outings. Suggest your own activity or sign up to join others. Sign-up sheets in Chapel (session room).

MONDAY EVENING BONFIRE – S'Mores

Weather permitting, we will have a bonfire with s'mores at the firepit outside of Crocker Dining Hall following the final session on Monday. If you do not know what a s'more is, we will show you!

JASMS CALL FOR PAPERS – SPECIAL ISSUE

This issue will showcase ways in which high-throughput mass spectroscopy (HT-MS) can be applied to a wide range of problems in research and industry. Submissions welcome by April 30, 2027.

Details: <https://axial.acs.org/analytical-chemistry/call-for-papers-high-throughput-mass-spectrometry-new-developments-and-applications>

PRESENTER GUIDELINES

Invited Speakers and Short Talk Speakers. Please arrive in the Chapel 15-20 minutes prior to the start of the session to set up your device or load your presentation onto the conference computer (PC). Remember to have your own adapters handy to connect to HDMI if using your own device.

Poster Presenters. Mount posters by 6 pm Fri (or as soon as you arrive, Saturday morning is fine, too). Remove posters late afternoon Monday.

Poster Highlight Talks. Follow instructions you received by email. Please send slides for your talk to jennifer@asms.org by 6:00 pm on Friday, Oct. 9.

PROGRAM OVERVIEW

Friday

4:00 - 6:00 pm.....Badge Pick-up
6:00 - 7:00 pm.....Asilomar Dinner
7:15 - 8:30 pm.....Opening Session
8:30 - 9:45 pm.....Reception & Posters

Saturday

7:30 - 9:00 am.....Asilomar Breakfast
9:00 am - 12:00 pm.....Session
12:00 - 1:00 pm.....Asilomar Lunch
2:00 - 4:00 pm.....Session
4:00 - 6:00 pm.....Free Time
6:00 - 7:00 pm.....Asilomar Dinner
7:00 - 9:05 pm.....Session
9:05 - 10:15 pm.....Reception & Posters

Sunday

7:30 - 9:00 am.....Asilomar Breakfast
9:00 am - 12:00 pm.....Session
12:00 - 1:00 pm.....Asilomar Lunch
1:00 - 6:00 pm.....Free Afternoon
6:00 - 7:00 pm.....Asilomar Dinner
7:00 - 9:05 pm.....Session
9:05 - 10:15 pm.....Reception & Posters

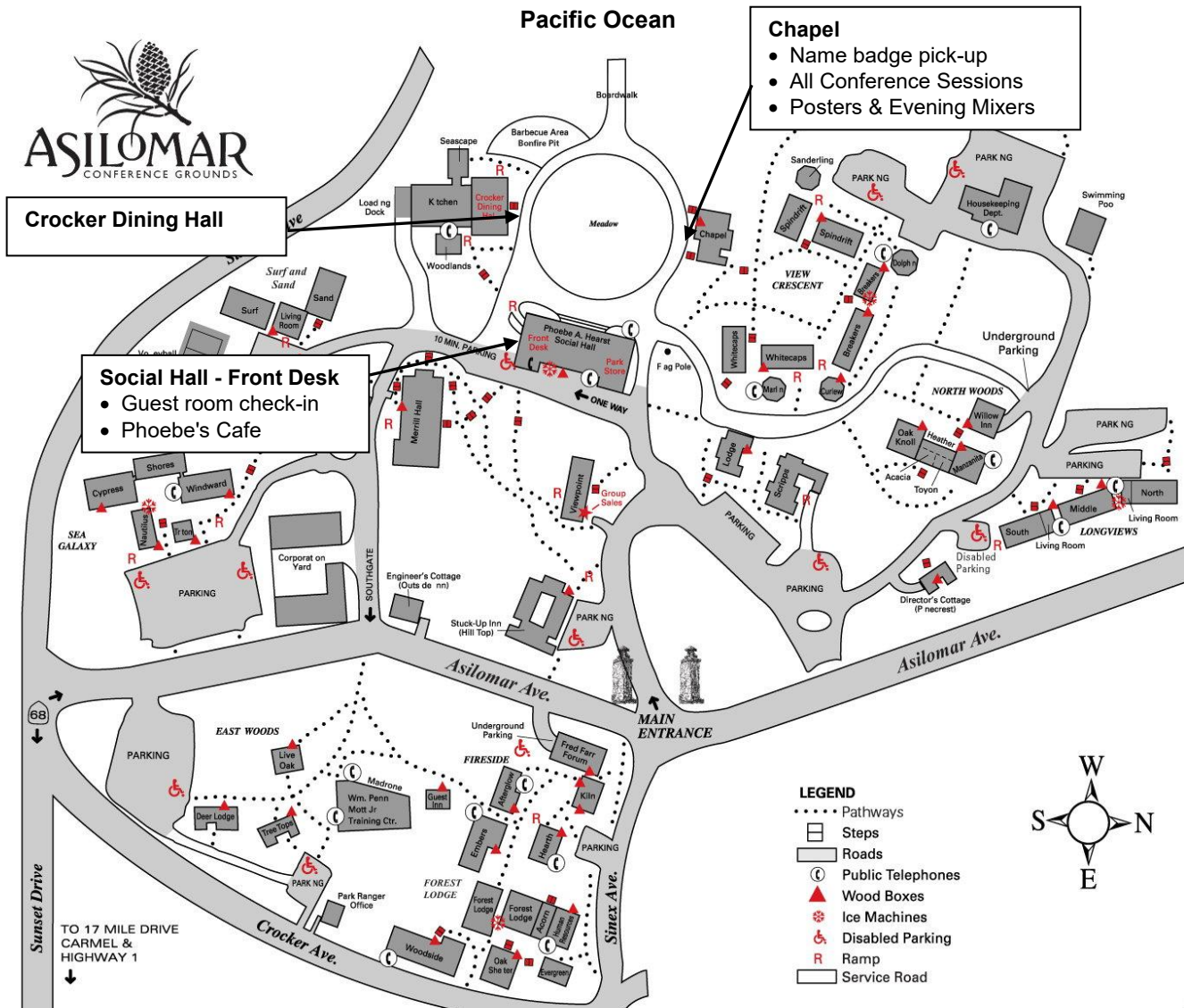
Monday

7:30 - 9:00 am.....Asilomar Breakfast
9:00 - 11:50 am.....Session
11:50 am - 12 pm.....Group Photo
12:00 - 1:00 pm.....Asilomar Lunch
1:00 - 3:30 pm.....Session
3:30 - 6:00 pm.....Free Time
6:00 - 7:00 pm.....Asilomar Dinner
7:00 - 8:05 pm.....Session
8:05 - 9:15 pm.....Bonfire & S'Mores!

Tuesday

7:30 - 9:00 am.....Asilomar Breakfast and
Box lunch pick-up
(Asilomar lodgers only)

ASILOMAR GROUNDS MAP



ASILOMAR & MONTEREY BAY AREA ACTIVITIES

Sunday afternoon, 1-6pm, is free time. Relax on your own or explore with fellow attendees, whatever floats your boat.

Monterey Bay Area. Sign-up sheets will be posted in the session room for group outings to the Monterey Bay Aquarium, kayaking on Monterey Bay, or a scenic drive. Groups can organize themselves, carpooling if someone has a rental car or sharing a rideshare (Uber/Lyft) to the destination.

Asilomar Campus. Stroll through the dunes and cross the road to Asilomar State Beach, where you can explore the tidepools or follow the boardwalk toward Monterey. Human-powered bikes are available to rent at Asilomar, and e-bikes can be rented just up the road at Big Sur Adventures' 17-Mile Drive location.



Thank you for joining us to discuss the rapid advancement of high-throughput mass spectrometry (HT-MS) technologies. HT-MS has become an indispensable analytical tool across diverse disciplines, industries, and research fields. In particular, HT-MS has become a cornerstone of modern drug discovery and development, where mass spectrometry is deployed at multiple stages.

Over the next few days, this meeting will serve as a forum to discuss the latest technology advancements, explore key applications, and address challenges in data processing and analysis.

We hope you take the opportunity to engage, foster collaboration, and enjoy your time at Asilomar, “the refuge by the sea”.

Chang Liu and Hui Zhang

Co-Organizers

ASMS Asilomar Conference on High-Throughput Mass Spectrometry: New Developments and Applications

FRIDAY, OCTOBER 9, 2026

- 4:00 - 6:00 pm Name badge pick-up in Chapel
- 6:00 - 7:00 pm Asilomar Dinner, Crocker Dining Hall, *for Asilomar lodgers or with purchased meal tickets.*

7:15 - 8:30 PM, Chapel OPENING SESSION

Chang Liu presiding

- 7:15 - 7:25 pm Welcome & Opening Remarks
- 7:25 - 8:10 pm **Payal Sheth** (Bristol Myers Squibb), How Mass Spectrometry Transformed Drug Discovery
Followed by Q&A
- 8:25 - 8:30 pm Welcome to the Reception, **Jose Castro-Perez**, SCIEX, sponsor of this evening's reception.

8:30 - 10:15 PM, Chapel EVENING RECEPTION sponsored by SCIEX, and POSTERS

Snacks and drinks are provided at the reception thanks to this evening's reception sponsor, SCIEX.
All posters will be displayed for the entire conference. See poster list pages 18-19.



The power of precision

REDEFINING HIGH-THROUGHPUT SCREENING FOR DRUG DISCOVERY

Acoustic Ejection Mass Spectrometry (AEMS) delivers the speed, sensitivity and reliability modern drug discovery demands — helping teams make earlier, more confident decisions on hits and leads for small and large molecule screening.



10-15 YRS \$1-2B average time and cost to approve a new pharmaceutical ¹	~90% of new drug candidates fail in clinical development ²	1 SEC per sample with Echo® MS+ — vs. ~90 sec with traditional LC-MS
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BUILT FOR HIGH-THROUGHPUT SCREENING

- **Contactless sampling** via the Open Port Interface minimizes carryover between samples
- **Nanoliter-scale droplets** ejected directly from microplate wells using Acoustic Droplet Ejection (ADE)
- **Less-complex sample prep** and fewer matrix effects from carrier-solvent mixing
- **Highly automated, single-day turnaround** with results files auto-generated for LIMS integration via SCIEX OS software
- **A label-free alternative** to fluorescence assays, reducing false positives and improving data reliability

TRADITIONAL LC-MS VS. ECHO® MS+

STEP	TRADITIONAL LC-MS	ECHO® MS+
Sample separation	HPLC column required	Not required
MS analysis speed	~90 sec / sample	Up to 1 sec / sample
Data processing	Manual review	Automated, LIMS-ready
Overall turnaround	Multi-day, high user interaction	Single-day, highly automated

AVAILABLE IN THREE CONFIGURATIONS

Echo® MS+ with ZenoTOF 7600 or ZenoTOF 8600 System

Best suited for high-resolution targeted screening:

Intact protein based hit ID (covalent binding/native MS) · medicinal chemistry · compound quality assessment. Reduces background interference with increased specificity and eases MS method development.

Echo® MS+ with SCIEX Triple Quad 6500+ System

Best suited for absolute sensitivity in quantitative work:

HTS biochemical assays with simplicity of general system operation and a higher level of quantitative consistency.

Learn more about the power of Echo® MS+ to accelerate your drug discovery pipeline.

[sciex.com](https://www.sciex.com)
LEARN MORE

¹ Sun D, Gao W, Hu H, Zhou S. Why 90% of clinical drug development fails and how to improve it? *Acta Pharmaceutica Sinica B*. 2022;12(7):3049-3062. ² Lowe D. The latest on drug failure and approval rates. *Science*. Published May 9, 2019. Echo® and Echo® MS+ system are trademarks or registered trademarks of Labcyte, Inc. in the United States and other countries, and are being used under license. Trademarks and/or registered trademarks mentioned herein are the property of AB Sciex Pte. Ltd. or their respective owners. For Research Use Only. Not for use in Diagnostic Procedures.

NOTES

SATURDAY, OCTOBER 10, 2026

7:30 - 9:00 am Asilomar Breakfast, Crocker Dining Hall, *for Asilomar lodgers only.*

9:00 AM – 11:00 AM, Chapel NEW DEVELOPMENTS IN HT-MS TECHNOLOGY

Thomas R. Covey presiding

- | | |
|------------------|---|
| 9:00 - 9:30 am | Acoustic Ejection Mass Spectrometry (AEMS) for High-Throughput Analysis; Chang Liu , <i>SCIEX</i> . |
| 9:30 - 9:40 am | <i>Ten-minute Q&A and speaker transition</i> |
| 9:40 - 10:10 am | Infrared Matrix-Assisted Laser Desorption Electrometry Ionization (IR-MALDESI) for High-Throughput Analysis; David Muddiman , <i>North Carolina State University</i> . |
| 10:10 - 10:20 am | <i>Ten-minute Q&A and speaker transition</i> |
| 10:20 - 10:50 am | Desorption Electrospray Ionization (DESI) for High Throughput Synthesis and Analysis; Graham Cooks , <i>Purdue University</i> . |
| 10:50 - 11:00 am | <i>Ten-minute Q&A.</i> |

11:00 – 11:20 am **Coffee Break**

11:20 AM – 12:00 PM, Chapel SHORT TALKS AND POSTER HIGHLIGHTS PART I

Hui Zhang presiding

- | | |
|------------------|---|
| 11:20 – 11:32 am | Hyphenation of advanced surface chemistries to next-generation MALDI-MS for enhanced performance in high-throughput screening; Nannan Tao , <i>Bruker</i> . |
| 11:32 - 11:35 am | <i>Three-minute Q&A and speaker transition</i> |
| 11:35 - 11:47 am | High-Throughput Native Mass Spectrometry for Protein-Ligand Interaction Screening and Thermodynamic Profiling; Xin Yan , <i>Texas A&M University</i> . |
| 11:47 - 11:50 am | <i>Three-minute Q&A and transition to Poster Highlights</i> |
| 11:50 am – 12 pm | Poster Highlights Part I: Eleven 45-second Poster Highlight presentations. <ul style="list-style-type: none"> ▪ Adeleke Adepoju (North Carolina State University, Raleigh, NC), Poster 12 ▪ Sima Ziyadee (Oregon State University, Corvallis, OR), Poster 13 ▪ Steven Cohen (Merck, Boston, MA), Poster 14 ▪ Jorge Hernandez Garcia (University of California, Santa Cruz, Santa Cruz, CA), Poster 15 ▪ Yourae Shin (University of California, Riverside, Riverside, CA), Poster 16 ▪ Scott Simpkins (Octant, Inc, Emeryville, CA), Poster 17 ▪ Meiyi Zhang (Biogen, Cambridge, MA), Poster 18 ▪ Brett Phinney (University of CA, Davis, Davis, CA), Poster 19 ▪ Trung Hoang (University of California Los Angeles, Los Angeles, CA), Poster 20 ▪ Amanda Cicali (University of Michigan, Ann Arbor, MI), Poster 21 ▪ Kitmin Chen (Purdue University, West Lafayette, IN), Poster 22 |

SATURDAY, OCTOBER 10, 2026 - *continued*

12:00 - 1:00 pm Asilomar Lunch, Crocker Dining Hall, *for Asilomar lodgers and attendees who pay the offsite fee during online registration.*

1:00 – 2:00 pm Free Time

2:00 – 4:00 PM, Chapel HT-MS IN HIGH-THROUGHPUT SCREENING

Tom Bretschneider, presiding

2:00 - 2:30 pm High-Throughput MS for Cell-Based Screening; **Wilson Shou**, *Bristol Myers Squibb*.

2:30 - 2:40 pm *Ten-minute Q&A and speaker transition*

2:40 - 3:10 pm HT-MS for High-Throughput Hit Identification; **Jane Wen**, *Merck*.

3:10 - 3:20 pm *Ten-minute Q&A and speaker transition*

3:20 - 3:50 pm HT-MS for High-Throughput Covalent Binders Screening; **Ronghai Cheng**, *Takeda*.

3:50 - 4:00 pm *Ten-minute Q&A.*

4:00 – 6:00 pm Free Time

6:00 - 7:00 pm Asilomar Dinner, Crocker Dining Hall, *for Asilomar lodgers or with purchased meal tickets.*

7:00 – 9:00 PM, Chapel HT-MS IN SYNTHETIC CHEMISTRY & HIGH-THROUGHPUT EXPERIMENTATION

Robert Kennedy, presiding

7:00 - 7:30 pm Fragmentation First Experimentation **Daniel Blair**, *St. Jude Children's Research Hospital*.

7:30 - 7:40 pm *Ten-minute Q&A and speaker transition*

7:40 - 8:10 pm High-Throughput Experimentation in AI Pharma; **Hui Zhang**, *Iambic Therapeutics*

8:10 - 8:20 pm *Ten-minute Q&A and speaker transition*

8:20 - 8:50 pm High-Throughput Analysis for High-Throughput Experimentation; **Alandra Quinn**, *Pfizer*.

8:50 - 9:00 pm *Ten-minute Q&A and speaker transition.*

9:00 - 9:05 pm Welcome to the Reception, **Jason Deng**, WuXi AppTec, sponsor of this evening's reception.

9:05 - 10:15 PM, Chapel EVENING RECEPTION sponsored by WuXi AppTec, and POSTERS

Snacks and drinks are provided at the reception thanks to this evening's reception sponsor, WuXi AppTec.
All posters will be displayed for the entire conference. See poster list pages 18-19.



Hit Finding Service Catalog

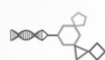
Integrated Screening Platform

Platform	Molecule	Libraries collections		
		Diversity library Diverse drug-like compounds in maximized chemical space for classical small molecule drug discovery.	Specialty library Focused libraries designed based on the active compounds analysis of specified target class.	New modality library Novel approaches addressing the future needs of drug discovery in extended chemical space.
DEL screening	DNA encoded small molecule	Diverse DEL (54B)	RNA focused DEL (100M)	Covalent DEL (1.6b) ProTac DEL (4b) Peptide DEL (300B) On-bead DEL (3M)
HTS & ASMS	Small molecule	HTS compound collection (300K) V6	RNA focused (5.5k) CNS focused (73k) Kinase focused (16k) Protease focused (13k) Natural products (2.5k) Bioactive (1.3k) Approved drugs (6.5k) GPCR focused (10K) PPI (48k)	Covalent diversity library (14K) Serine focused library (8K) Lysine focused library (13K) Molecular Glue library (11K)
FBDD	Fragment	Fragment library (4.1k)	/	Covalent fragment library (2.6k)

Options of DEL Libraries

	Off-the-Shelf DEL	Partial customized DEL construction	Full customized DEL construction
Library Design	Selection from off-the-shelf library catalog	Selection from library precursor catalog + scaffolds of interest	Full customized design
Timeline	Direct shipment	4 – 6 weeks	10 – 12 weeks
Cost	Low per pack	Low per pack	Low per quantity unit
Deliver Quantity	Flexible	Flexible	Design dependent
Standard Documentation	✓ BB-Tag decoding table ✓ QC report	✓ Compound structure enumeration data ✓ Product final report	
Scenario	Idea for limited target number, rapid DEL collection expansion	Idea for rapid construction of target focused, new modality DEL	Idea for broad target spectrum, novel design

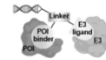
DEL Molecule Type



Diversity DEL



Covalent DEL



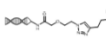
Bi-functional DEL



Peptide DEL



RNA "zipper" DEL



PAC DEL

NOTES

SUNDAY, OCTOBER 11, 2026

7:30 - 9:00 am Asilomar Breakfast, Crocker Dining Hall, *for Asilomar lodgers only.*

9:00 AM – 11:00 AM, Chapel HT-MS in HT-ADME

Wilson Shou presiding

9:00 - 9:30 am Intelligent Bioanalysis System; **Andreas Luippold**, *Boehringer Ingelheim*.

9:30 - 9:40 am *Ten-minute Q&A and speaker transition*

9:40 - 10:10 am Echo MS In ADME/PPB; **Duo Zhang**, *WuXi AppTec*.

10:10 - 10:20 am *Ten-minute Q&A and speaker transition*

10:20 - 10:50 am High-Throughput MS in DMPK; **Estelle Maes**, *AbbVie*.

10:50 - 11:00 am *Ten-minute Q&A.*

11:00 – 11:20 am **Coffee Break**

11:20 AM – 12:00 PM, Chapel SHORT TALKS AND POSTER HIGHLIGHTS PART II

Chang Liu presiding

11:20 – 11:32 am High-Throughput Microbial Phenotyping with fast-gradient DIA proteomics; **Paul Piehowski**, *Pacific Northwest National Laboratory*

11:32 - 11:35 am *Three-minute Q&A and speaker transition*

11:35 - 11:47 am Modality-Agnostic Mass Mapping for High-Throughput Characterization of Conjugated Biotherapeutics; **Stephen Kok**, *Genedata, Inc.*

11:47 - 11:50 am *Three-minute Q&A and transition to Poster Highlights*

11:50 am – 12 pm **Poster Highlights Part II:** Ten 45-second Poster Highlight presentations.

- Janez Ilas (University of Ljubljana, Ljubljana, Slovenia), Poster 23
- Razieh Zamani (Purdue University, West Lafayette, IN), Poster 24
- Boris Brumshtein (Gilead Sciences, Foster City, CA), Poster 25
- Shixiang Xu (Ohio State University, Columbus, OH), Poster 26
- Rong Chen (Corteva Agriscience, Indianapolis, IN), Poster 27
- Daniel Geiszler (Parallel Squared Technology Institute, Watertown, MA), Poster 28
- Steven Yannone (CinderBio, San Leandro, CA), Poster 29
- Lieza Danan (LiVeritas Biosciences, South San Francisco, CA), Poster 30
- Philip To (AstraZeneca, Gaithersburg, MD), Poster 31
- Tom Flug (Archer Science, Lake Elmo, MN), Poster 32

SUNDAY, OCTOBER 11 2026 - *continued*

- 12:00 - 1:00 pm Asilomar Lunch, Crocker Dining Hall, *for Asilomar lodgers and attendees who pay the offsite fee during online registration.*
- 1:00 - 6:00 pm **FREE AFTERNOON**
- 6:00 - 7:00 pm Asilomar Dinner, Crocker Dining Hall, *for Asilomar lodgers or with purchased meal tickets.*

7:00 – 9:00 PM, Chapel HT-MS IN BIOCATALYSIS AND SYNTHETIC BIOLOGY

Graham Cooks presiding

- 7:00 - 7:30 pm A High-throughput MS Platform for Enzyme Discovery and Development; **Wenxuan Li**, *Merck*.
- 7:30 - 7:40 pm *Ten-minute Q&A and speaker transition*
- 7:40 - 8:10 pm High-Throughput Analysis of Biotherapeutic Bioreactors; **Michael Poltash**, *Janssen Pharmaceuticals*
- 8:10 - 8:20 pm *Ten-minute Q&A and speaker transition*
- 8:20 - 8:50 pm MT-MS Platform Based on Droplet Microfluidics; **Robert Kennedy**, *University of Michigan*.
- 8:50 - 9:00 pm *Ten-minute Q&A.*
- 9:00 - 9:05 pm Welcome to the Reception, **Maurizio Bronzetti**, Genedata, Inc., sponsor of this evening's reception.

9:05 - 10:15 PM, Chapel EVENING RECEPTION sponsored by Genedata, Inc., and POSTERS

Snacks and drinks are provided at the reception thanks to this evening's reception sponsor, Genedata, Inc.
All posters will be displayed for the entire conference. See poster list pages 18-19.



Featured ASILOMAR Presentation

Modality-Agnostic Mass Mapping for High-Throughput Characterization of Conjugated Biotherapeutics



Stephen Kok

Scientific Consultant
Genedata, San Francisco, CA

Join Stephen Kok to learn how the Genedata Biopharma Platform extends mass spectrometry (MS) characterization beyond conventional biotherapeutics to oligonucleotides, synthetic peptides, and conjugated modalities. Automated candidate generation from user-defined sequences, reusable custom monomers, linkers, and

cross-links, and a single consolidated panel with logic-based outlier flagging features that remove the manual bottlenecks of mass mapping. This modality-agnostic architecture establishes the basis for high-throughput, fully automated characterization of mixed modality biotherapeutics.

High-Throughput Mass Spec. Unleashed.

Explore Genedata's HT-MS Platform



Scan or Visit

genedata.com/high-throughput-mass-spectrometry



MONDAY, OCTOBER 12, 2026

7:30 - 9:00 am Asilomar Breakfast, Crocker Dining Hall, *for Asilomar lodgers only.*

9:00 AM – 11:00 AM, Chapel DATA PROCESSING FOR HT-MS

Nicola Zamboni presiding

9:00 - 9:30 am	Molecular Structure and Mass Spectral Data Quality Driven Processing for Pharmacokinetics; Ismael Zamora , <i>Mass Spec Analytica</i> .
9:30 - 9:40 am	<i>Ten-minute Q&A and speaker transition</i>
9:40 - 10:10 am	Automatic Data Processing for High-Throughput Experimentation; Mark Spears , <i>Virscidian</i> .
10:10 - 10:20 am	<i>Ten-minute Q&A and speaker transition</i>
10:20 - 10:50 am	Incorporation of Machine Learning to Address Dark Metabolomics; Tao Huan , <i>University of British Columbia</i>
10:50 - 11:00 am	<i>Ten-minute Q&A</i>

11:00 – 11:20 am **Coffee Break**

11:20 – 11:50 AM, Chapel SHORT TALKS

Hui Zhang presiding

11:20 – 11:32 am	High-throughput phosphoproteomics in 384-well plate format with μ PhosHT enables dissection of mTORC1 signalling at 200 samples per day; Denys Oliinyk , <i>Max Plank Institute of Biochemistry</i> .
11:32 - 11:35 am	<i>Three-minute Q&A and speaker transition</i>
11:35 - 11:47 am	HT-MS in Early Drug Discovery for HIT-ID and Validation; Tom Bretschneider , <i>Boehringer Ingelheim</i> .
11:47 - 11:50 am	<i>Three-minute Q&A</i>

11:50 am – 12 pm GROUP PHOTO on stairs of Chapel (session room)

12:00 - 1:00 pm Asilomar Lunch, Crocker Dining Hall, *for Asilomar lodgers and attendees who pay the offsite fee during online registration.*

1:00 - 2:00 pm Free Time

MONDAY, OCTOBER 12, 2026 - *continued*

1:00 – 3:00 PM, Chapel HT-MS IN NEW MODALITY BIOANALYSIS

Tao Huan presiding

1:00 - 1:30 pm	Unravelling the Spatial and Single Cell Proteome Using Single Molecule Mass Spectrometry; Pei Su , <i>University of California, Riverside</i>
1:30 - 1:40 pm	<i>Ten-minute Q&A and speaker transition</i>
1:40 - 2:10 pm	High-Throughput Metabolomics; Nicola Zamboni , <i>ETH Zürich</i> .
2:10 - 2:20 pm	<i>Ten-minute Q&A and speaker transition</i>
2:20 - 2:50 pm	High-Throughput Native MS; Patrick Rudewicz , <i>Novartis</i> .
2:50 - 3:00 pm	<i>Ten-minute Q&A and speaker transition</i>

3:00 – 3:30 PM, Chapel SHORT TALKS

Chang Liu presiding

3:00 – 3:12 pm	Continued development of a safe, robust IR-MALDESI platform for high throughput mass spectrometry applications; Jonathan Wingfield , <i>TTP Plc (UK)</i> .
3:12 – 3:15 pm	<i>Three-minute Q&A and speaker transition</i>
3:15 – 3:27 pm	An Integrated D2B Platform with High-Throughput miniADME Accelerates Hit-to-Lead Drug Discovery; Weihui Guo , <i>WuXi AppTec</i>
3:27 – 3:30 pm	<i>Three-minute Q&A.</i>

MONDAY, OCTOBER 12, 2026 - *continued*

3:30 – 6:00 pm Free Time

6:00 - 7:00 pm Asilomar Dinner, Crocker Dining Hall, *for Asilomar lodgers*.

7:00 - 8:05 PM, Chapel CLOSING SESSION

Hui Zhang presiding

7:00 – 7:40 pm **Benjamin Cravatt** (The Scripps Research Institute), Protein and Ligand Discovery
Followed by Q&A

7:50 – 8:00 pm Closing Remarks

8:00 – 8:05 pm Welcome to the Reception, **Jose Meza**, Agilent Technologies, sponsor of this evening's closing reception.

8:05 - 9:15 PM, Firepit near dining hall BONFIRE & S'MORES RECEPTION sponsored by Agilent

S'mores and drinks are provided at the reception thanks to this evening's reception sponsor, Agilent Technologies.

If you are not familiar with a 'S'more' (graham crackers, chocolate bar, and toasted marshmallow) you will learn!



Agilent

TUESDAY, OCTOBER 13, 2026

7:30 - 9:00 am Asilomar Breakfast, Crocker Dining Hall, *for Asilomar lodgers only*.

Box Lunch available for pick-up in Crocker. Use your remaining lunch ticket!



Together, Advancing Bioanalysis from
Detection to Decision



Sound Analytics LS-II
High Throughput Autosampler



Agilent 6495D Triple
Quadrupole LC/MS

POSTER LIST

- Poster 01 Molecular Glue (MG) Discovery: Integrating Affinity Selection Mass Spectrometry (ASMS) with the D2B Platform to Drive Hit Identification; **Naifu Zhang**, *WuXi AppTec, Shanghai, China*
- Poster 02 Development of Tensile Expansion Mass Spectrometry (TE_xMS) for Single-Cell Metabolomics Imaging; **Jason Guerrero**, *University of California, Santa Cruz, Santa Cruz, CA*
- Poster 03 Native Protein Analysis Using Mid-Infrared Laser Desorption Coupled with Mass Spectrometry; **Semah Keissieh**, *University of California, Riverside, Riverside, CA*
- Poster 04 High-Throughput Native Nanospray Desorption Electrospray Ionization Mass Spectrometry (nano-DESI MS); **Xindi Tang**, *Purdue University, West Lafayette, IN*
- Poster 05 Real-time analytics for multiplexed assays: Smart targeted TMT on Orbitrap Tribrid Apex MultiOmics Mass Spectrometer; **William Comstock**, *Thermo Fisher Scientific, San Jose, CA*
- Poster 06 High-Throughput Forensic Screening with DART Coupled to a Small-Footprint Ion Trap Mass Spectrometer; **Emma Dube**, *MassTech Inc., Columbia, MD*
- Poster 07 Expanding QC Throughput and Accessibility with Automated Sampling and a Small-Footprint Ion Trap Mass Spectrometer; **Caleigh O'Connor**, *MassTech Inc., Columbia, MD*
- Poster 08 Development and Optimization of an IR-MALDESI Workflow for High-Throughput Screening Characterization of Biotherapeutics; **Bethany Schafran-Beard**, *North Carolina State University, Raleigh, NC*
- Poster 09 High throughput intact mass spectrometry assay to enable covalent binder discovery for transmembrane proteins; **Daniel Fuller**, *Novartis Biomedical Research, Cambridge, MA*
- Poster 10 Rapid LC-MS/MS compound method development and sample analysis for DMPK workflows; **Bianca Silva**, *Agilent Technologies, Inc., Santa Clara, CA*
- Poster 11 Reporting of Ultra High-throughput Microdroplet Digestion of Multispecifics from RapidFire; **St John Skilton**, *Protein Metrics, Inc., Boston, MA*
- Poster 12 Rapid Multiparametric Biophysical Characterization of Protein-Ligand Interactions using Native Infrared Matrix-Assisted Laser Desorption Electrospray Ionization; **Adeleke Adepoju**, *North Carolina State University, Raleigh, NC* [Saturday morning Poster Highlight]
- Poster 13 scFAST-MALDI MS for High-Throughput Single-Cell Pharmacology; **Sima Ziyadeh**, *Oregon State University, Corvallis, OR* [Saturday morning Poster Highlight]
- Poster 14 A Python-Based Workflow for Automated Disulfide Bond Mapping, Classification, and Visualization from Nonreducing Peptide LC-MS Data; **Steven Cohen**, *Merck, Boston, MA* [Saturday morning Poster Highlight]
- Poster 15 Adapting a MALDI-MS Platform for Screening Biocatalytic Products in High Throughput; **Jorge Hernandez Garcia**, *University of California, Santa Cruz, Santa Cruz, CA* [Saturday morning Poster Highlight]
- Poster 16 The Everything Bagel Feature Finder: Ultra-fast automated feature finding for untargeted metabolomics; **Yourae Shin**, *University of California, Riverside, Riverside, CA* [Saturday morning Poster Highlight]

- Poster 17 Computational Analysis of High-Throughput, Acoustic Ejection-Mass Spectrometry Based Metabolic Stability Profiling Assays to Enable Data-driven ADMET Insights; **Scott Simpkins**, *Octant, Inc, Emeryville, CA* [Saturday morning Poster Highlight]
- Poster 18 Ultra-High Throughput Intact Protein Echo MS Assay for Direct Measurement of Covalent Target Engagement; **Meiyi Zhang**, *Biogen, Cambridge, MA* [Saturday morning Poster Highlight]
- Poster 19 A real world 2,300 plasma sample high throughput proteomics project in an academic proteomics core facility; **Brett Phinney**, *University of California, Davis, Davis, CA* [Saturday morning Poster Highlight]
- Poster 20 An Automated Cysteine-Reactive Peptide Enrichment Platform for High-Throughput, Reproducible Chemoproteomics on an Opentrons Flex Liquid Handler; **Trung Hoang**, *University of California Los Angeles, Los Angeles, CA* [Saturday morning Poster Highlight]
- Poster 21 A Quantitative Comparison of Automated Desalting Methods for the High-Throughput Collision Induced Unfolding Analysis of Biotherapeutics Direct from Formulation; **Amanda Cicali**, *University of Michigan, Ann Arbor, MI* [Saturday morning Poster Highlight]
- Poster 22 High-Throughput Microdroplet Synthesis for Direct-to-Biology Antibiotic Discovery; **Kitmin Chen**, *Purdue University, West Lafayette, IN* [Saturday morning Poster Highlight]
- Poster 23 Accessible High-Throughput Screening of Topoisomerase II α Inhibitors: Comparing LC-MS/MS and LC-HRMS for Cellular Uptake Analysis; **Janez Ilas**, *Faculty of Pharmacy University of Ljubljana, Ljubljana, Slovenia* [Sunday morning Poster Highlight]
- Poster 24 Machine Learning-Assisted Identification of Untargeted N-Nitrosamines Based on Tandem Mass Spectrometry; **Razieh Zamani**, *Purdue University, West Lafayette, IN* [Sunday morning Poster Highlight]
- Poster 25 High-Throughput ADME Using RapidFire-QToF Mass Spectrometry; **Boris Brumshtein**, *Gilead Sciences, Foster City, CA* [Sunday morning Poster Highlight]
- Poster 26 Enhanced Annotation of Saccharide Isomers Using Dual-Polarity LC-MS/MS Combined with Peak-Centric and Analyte-Centric analyses; **Shixiang Xu**, *Ohio State University, Columbus, OH* [Sunday morning Poster Highlight]
- Poster 27 Accelerating Early-Stage Agrochemical Safety Screening with High-Throughput LC-MS Workflow; **Rong Chen**, *Corteva Agriscience, Indianapolis, IN* [Sunday morning Poster Highlight]
- Poster 28 Modeling overlapping isotopes and large fold changes in highly multiplexed DIA proteomics; **Daniel Geiszler**, *Parallel Squared Technology Institute, Watertown, MA* [Sunday morning Poster Highlight]
- Poster 29 Archaeal HTA-Proteases Facilitate One-Step, 5-minute Sample Preparations, Biomarker Quantitation at 8-minute Intervals, and Markedly Increase Proteomics Throughput; **Steven Yannone**, *CinderBio, San Leandro, CA* [Sunday morning Poster Highlight]
- Poster 30 Scaling Integrated High-Throughput Mass Spectrometry-based Characterization of Biologics Using Knowledge-Guided AI supporting Discovery to IND Submissions; **Lieza Danan**, *LiVeritas Biosciences, South San Francisco, CA* [Sunday morning Poster Highlight]
- Poster 31 Rapid Serum Proteome Profiling of Glycation and N-Glycosylation in Women with a History of Gestational Diabetes; **Philip To**, *AstraZeneca, Gaithersburg, MD* [Sunday morning Poster Highlight]
- Poster 32 Converting a Manual 96 well Plate Assay to a Fully Automated Workflow; **Tom Flug**, *Archer Science, Lake Elmo, MN* [Sunday morning Poster Highlight]

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