



2026 ASP Annual Meeting
July 26 - 29, 2026
Denver Marriott Tech Center
Denver, CO
Short Program



Sunday July 26, 2026

7:00 AM – 6:00 PM **Registration – Rocky Mountain Event Foyer**

Welcoming Remarks and Announcements – Denver Marriott Tech Center – Rocky Mountain Event

8:00 AM – 8:30 AM **Robert Cichewicz** (ASP President), **Amy Keller** (University of Colorado) and **Kerry McPhail** (University of Utah)

Symposium I – Leveraging Natural Products for Infectious Disease – Rocky Mountain Event
Chair: **TBD**

8:30 AM – 9:05 AM **PL-01 - Carole Bewley** (NIDDK)
TBD

9:05 AM – 9:40 AM **PL-02 – Jason Crawford** (Yale University)
Mode of Action for Translational Inhibitory Nucleotides Encoded in the Human Microbiome

9:40 AM – 10:00 AM **C-01 – Dmitrii Travin** (University of Illinois at Chicago)
Tiarins – Novel Natural Trojan-Horse Inhibitors of Aminoacyl-tRNA Synthetases Discovered by Genome Mining

10:00 AM – 10:30 AM **Coffee Break – Rocky Mountain Event Foyer**

Symposium II – Technologies to Accelerate Natural Products Research
Rocky Mountain Event
Chair: **Donovon Adressa**

10:30 AM – 11:05 AM **PL-03 - Jessica Prenni** (Colorado State University)
The Periodic Table of Food Initiative: Mapping the Chemistry of Food

11:05 AM – 11:40 AM **PL-04 – Cassandra Quave** (Emory University)
Development of a MicroED-Enabled Discovery Platform for Rapid Identification of Bioactive Natural Products

11:40 AM – 12:00 PM **C-02 – TBD**

12:00 PM – 1:30 PM **Journal of Natural Products Board Meeting** (Invitation Only) – **Cottonwood**

Session S-PM1 – Chemical Ecology and Symbioses – Evergreen Ballroom A

Chair: **J.P. Gerdt** (Indiana University)

1:30 PM – 2:00 PM	I-01 - Pierre Stallforth (Hans Knöll Institute) <i>Natural Products in Space and Time: from Ancient Molecules to Microbial Arms Races</i>
2:00 PM – 2:30 PM	I-02 - Justin Silpe (Princeton University) <i>TBD</i>
2:30 PM – 2:45 PM	C-03 – Marina Luccioni (Stanford University) <i>Chemical Ecology of the Sonoran Desert Toads</i>
2:45 PM – 3:00 PM	C-04 – Nicole Kanya (University of South Florida) <i>Terpenoid-Mediated Defense in Caribbean Gorgonian Corals: Insights into Predator Deterrence and Metabolite Diversity</i>
3:00 PM – 3:15 PM	C-05 – Jack Ganley (Princeton University) <i>Ecology-Guided High Throughput Elicitor Screening (Eco-HiTES) for Discovery of Natural Products</i>
3:15 PM – 3:30 PM	C-06 – Arden Hatch (Virginia Tech) <i>Evaluation of the Chemical Secretions and Their Ecological Role of the Millipede Brachycybe</i>

Session S-PM2 – Botanicals and Mushroom Functional Foods – Evergreen Ballroom B

Chair: **Amy Keller** (University of Colorado)

1:30PM – 2:00PM	I-03 - Tiffany Weir (Colorado State University) <i>The Gut Microbiome as an Important Determinant of Dietary Polyphenol Bioavailability</i>
2:00 PM – 2:30 PM	I-04 – Milton Drott <i>Microevolutionary Reservoirs of Fungal Natural Products: From Aspergillus to Invasive Mushrooms</i>
2:30 PM – 2:45 PM	C-07 – C. Benjamin Naman (San Diego Botanic Garden) <i>Natural Products Research Is Better In Situ – A Case Study on Yerba Santa (Eriodictyon)</i>
2:45PM – 3:00 PM	C-08 – TBD
3:00 PM – 3:15 PM	C-09 – Wilmer Perera (CAMAG Scientific, Inc.) <i>Advancing HPTLC Botanical Authentication from Visual Evaluation to Chemometric-Driven Data Intelligence</i>
3:15 PM – 3:30 PM	C-10 – Hellen Oketch <i>TBD</i>

3:30 PM – 4:00 PM **Break**

Session S-PM3 – Natural Products Biosynthesis– Evergreen Ballroom A

Chair: **TBD**

4:00 PM – 4:30 PM	I-06 - Filipa Pereira (University of Michigan) <i>Optimizing Microbial Hosts for Sustainable Production of Natural Products</i>
4:30 PM – 5:00 PM	I-07 - Jonathan Chekan (University of North Carolina at Greensboro) <i>Aromatic Side Chain Crosslinking and Macrocyclization in RiPP Biosynthesis</i>
5:00 PM – 5:15 PM	C-11 – Antonio Del Rio Flores (University of Colorado, Boulder)

Mechanistic Analysis of Programmed Iteration by Module 5 of the Nocardiosis-Associated Polyketide (NOCAP) Synthase

5:15 PM – 5:30 PM

C-12 – Shogo Mori (Augusta University)
Harnessing Natural Enzymatic Pathways for Amino Acid Homologation

5:30 PM – 5:45 PM

C-13 – April Lukowski (University of California, San Diego)
An Emerging Family of Efficient Cyanobacterial Halogenases: Discovery, Function, and Evolution

5:45 PM – 6:00 PM

C-14 – Chung Sub Kim (Sungkyunkwan University)
Stress-Induced Metabolites from Bacteria

Session S-PM4 – Natural Products Discovery and High Throughput Screening– Evergreen Ballroom B

Chair: **Sandra Loesgen** (University of Florida)

4:00 PM – 4:45 PM

A-01 – Michael Heinrich (University College London)– **Tyler Prize 2026**
'... Inspired by Diversity: A Biological and Chemical Journey from (Medical) Anthropology to Ethnopharmacology.'

4:45 PM – 5:15 PM

I-08 - Qihao Wu (University of Pittsburgh)
Paired-Omics Enables Natural Product Discovery from Orphan Biosynthetic Pathways

5:15 PM – 5:30 PM

C-15 –Dong-Chan Oh (Seoul National University)
Integrated Metabologenomic and Chemical Approaches for Drug Lead Discovery from Actinomycetes

5:30 PM – 5:45 PM

C-16 – Laura Sanchez (University of California, Santa Cruz)
A High-Throughput Biocatalytic Platform for Screening Isomeric Kainoid Natural Products

5:45 PM – 6:00 PM

C-17 – TBD

6:30 PM – 9:30 PM

President's Opening Reception – Atrium (Ticketed Event)

Monday July 27, 2026

8:00 AM – 4:00 PM

Registration – Rocky Mountain Event Foyer

Symposium III - Integrated Omics for Natural Products Discovery– Rocky Mountain Event

Chair: **Vanessa Phelan and Allegra Aron**

8:30 AM – 9:05 AM

PL-05 – Allison Walker (Vanderbilt University)
Machine Learning Strategies for Natural Product Discovery and Engineering Biosynthesis

9:05 AM – 9:40 AM

PL-06 – Jason McDermott (Pacific Northwest National Laboratory)
Understanding the Dark Matter of the Metabolome Using Multi-Omic Characterization: Can AI Save Us? Maybe

9:40 AM – 10:00 AM

C-18 – Kalindi Morgan (University of Northern British Columbia)
Integrating Genomics and Nitrogen-15 NMR for Natural Product Discovery from Northern Canadian Bark Beetle-Associated Bacteria

10:00 AM – 10:30 AM

Coffee Break – Rocky Mountain Event Foyer

Symposium IV - Natural Products and Molecular Targets for Cancer– Rocky Mountain Event

Chair: **Vanessa Phelan and Allegra Aron**

- 10:30 AM – 11:05 AM **PL-07 – Xue (Sherry) Gao** (University of Pennsylvania)
Engineering CRISPR Systems for Precision Therapeutics and Molecular Innovation
- 11:05 AM – 11:40 AM **PL-08 - Daniel Labarbera** (University of Colorado)
The Mechanism of Action of Small-Molecule CHD1L Inhibitors
- 11:40 AM – 12:00 PM **C-19 – TBD**
-

12:00 PM – 2:30 PM Presenters for Poster Session I Set up Posters
Rocky Mountain Event Foyer/Atrium

12:00 PM – 1:30 PM **Fellows Meeting (Invitation Only) – Cottonwood**

Session M-PM1 – Younger Members Symposium – Evergreen Ballroom A

Chair: **Joe Egan** (Ometa Labs)

1:30 PM – 2:00 PM **I-09 -Vitor Lourenzon** (University of Illinois at Chicago)
TBD

2:00 PM – 2:30 PM **I-10 – Jerry Carr** (University of Arizona)
TBD

2:30 PM – 2:45 PM **Break**

2:45 PM – 3:00 PM **C-20 – Alyssa Rodriguez** (University of Michigan)
A Metabolite Prioritization Pipeline for Antifungal Drug Discovery from Microbial Symbioses

3:00 PM – 3:15 PM **C-21 – TBD**

3:15 PM – 3:30 PM **C-22 – Hyomoon Cho** (NIH)
Multi-Level Relative Mass Defect Analysis for Natural Product Classification

3:30 PM – 3:45 PM **C-23 – Victor Olaoye** (The University of Rhode Island)
Thiamine Reverses Dormancy in Uropathogenic Escherichia coli

Session M-PM2 – Marine Natural Products – Evergreen Ballroom A

Chair: **Wendy Strangman/Kerry McPhail**

1:30 PM – 2:00 PM **I-11 -Aaron Puri** (University of Utah)
Connecting Genes to Molecules Using Inverse Stable Isotopic Labeling (Inversil)

2:00 PM – 2:30 PM **I-12 – Shaun McKinnie** (University of California, Santa Cruz)
The Chemoenzymatic Syntheses of ‘Clickable’ Kainoid Derivatives for Chemical Neuroscience Applications

2:30 PM – 2:45 PM **Break**

2:45 PM – 3:00 PM **C-24 – Byeol Ryu** (University of California, San Diego)
Unraveling the Structural Complexity of a Bastimolide A–Like Antitrypanosomal Macrolide

3:00 PM – 3:15 PM	C-25 – TBD
3:15 PM – 3:30 PM	C-26 – Cleo Orlando (Virginia Tech) <i>Understanding the Role of Bacterial Glycoside Hydrolase Present in the Microbiota of Moon Snail Egg Masses</i>
3:30 PM – 3:45 PM	C-27 – Barry O’Keefe (National Cancer Institute) <i>Isolation and characterization of an antiviral protein from the soft coral <i>Alertigorgia</i> sp., derived from the NCI marine aqueous extract library</i>

3:45 PM – 4:00 PM **Break – Bar Open During Break – Rocky Mountain Event Foyer**

4:00 PM – 6:00 PM **Poster Session I – Rocky Mountain Event Foyer/Atrium**
Poster #'s: TBD
All posters need to be picked up by Tuesday 9:00 AM
ASP is not responsible for lost or damaged posters.

7:00 PM – 10:00 PM **Early Career Event (Ticketed Event) – Denver Marriott Tech Center**

Tuesday July 28, 2026

8:00 AM – 12:00 PM **Registration – Rocky Mountain Event Foyer**

Symposium V - Synthetic Strategies for Natural Product Lead Development – Rocky Mountain Event
Chair: **Tarek Sammakia**

8:30 AM – 9:05 AM	PL-09 – Richmond Sarpong (University of California, Berkeley) <i>Break-it-to-Make-it Strategies and Methods for Chemical Synthesis Inspired by Complex Natural Products</i>
9:05 AM – 9:40 AM	PL-10 - Mingji Dai (Emory University) <i>Upper-Level Timeline for Room Selection & Retention University Housing & the Resident Experience</i>
9:40 AM – 10:00 AM	C-28 – Sian Marin (University of South Florida) <i>Growing Yeast for a Semi-synthetic Approach to the Core of Eleutherobin</i>

10:00 AM – 10:30 AM **Coffee Break – Rocky Mountain Event Foyer**

Symposium VI - Synthetic Biology for NP Production and Engineering– Rocky Mountain Event
Chair: **Eric Schmidt** (University of Utah)

10:30 AM – 11:05 AM	PL-11 – Bruno Perlatti (Hexagon Bio) <i>Resistance-Gene Guided Genome Mining and Heterologous Expression of Fungal Biosynthetic Gene Clusters for Discovery of Bioactive Compounds</i>
11:05 AM – 11:40 AM	PL-12 - Carrie Eckert (Oak Ridge National Laboratory) <i>Development and implementation of high throughput genetic tools for gene discovery and microbial engineering</i>
11:40 AM – 12:00 PM	C-29 – TBD

12:00 PM – 5:00 PM	Executive Committee Meeting (Invitation Only) – <i>Cottonwood</i>
1:30 PM – 3:30 PM	PMWS1 – Evergreen E-F Career Fair
1:30 PM – 3:30 PM	PMWS2 – Aspen <i>Natural Products Research and Teaching at Primarily Undergraduate Institutions</i> Workshop Leaders: Christine Theodore (The University of Tampa) and Daniel May (Washington College)
4:00 PM – 6:00 PM	Poster Session II– Rocky Mountain Event Foyer/Atrium Poster's: TBD All posters need to be picked up by Wednesday 9:00 AM <i>ASP is not responsible for lost or damaged posters.</i>

Wednesday July 29, 2026

8:00AM – 2:00PM	Registration – Rocky Mountain Event Foyer
Award Symposium I – Rocky Mountain Event	
8:15 AM – 9:00 AM	A-02 - Rachel Mata - Phillip Crews Mentoring Award 2026 <i>Malbranchea Fungi: Key Discoveries Shaping the Future of Bioprospecting</i>
9:00 AM – 9:45 AM	A-03 - Matthias Hamburger – Farnsworth Award 2026 Proteusin Peptides: Unknown Structures and Unknown Binding Modes for RiPP Biosynthesis
9:45 AM – 10:30 AM	A-04 - Jie Li (The University of Texas at Austin) - Suffness Award 2026 <i>Mining Immunomodulatory Metabolites at the Human-Microbe Interface</i>
10:30 AM – 11:00 AM	Coffee Break – <i>Rocky Mountain Event Foyer</i>
Session W-AM1 – Animal and Environmental Microbiomes in Health and Disease – Rocky Mountain Event Chair: TBD	
11:00 AM – 11:30 AM	I-13 - Manuela Raffatellu (University of California, San Diego) The Battle in the Gut: How a Bacterial Pathogen Reshapes the Microbiome and Metabolome
11:30 AM – 11:45 AM	C-30 – Reed Stubbendieck (Oklahoma State University) <i>Dynamic Secondary Metabolite Production Mediates Interactions That Structure the Cystic Fibrosis Lung Microbiota</i>
11:45 AM – 12:00 PM	C-31 – TBD

Session W-AM2 – Clinical Translation – Pikes Peak
Chair: Amy Keller (University of Colorado)

- 11:00 AM – 11:30 AM **I-14 – Emily Lindley**
Exploring the Therapeutic Potential of Cannabinoids for Chronic Musculoskeletal Pain
- 11:30 AM – 11:45 AM **C-32 – Veronika Butterweck (Max Zeller Soehne AG)**
Exercise-Associated Metabolic Effects of the Cimicifuga racemosa Extract Ze 450 in a High-Fat Diet Model
- 11:45 AM – 12:00 PM **C-33 – TBD**

**Session W-PM1 – Animal and Environmental Microbiomes in Health and Disease –
Rocky Mountain Event**
Chair: TBD

- 1:30 PM – 2:00 PM **I-15 – Andrew Goodman (Yale University)**
TBD
- 2:00 PM – 2:15 PM **C-34 – Jennifer Nguyen (University of Michigan)**
Integrated Multi-omics Analysis Reveal Role of Strain Specific Bacterial Metabolites in Colorectal Cancer Pathogenesis
- 2:15 PM – 2:30 PM **C-35 – Gisele Rodriguez (University of Utah)**
The Filamentous Gut-Fungus Basidiobolus as a Reservoir for Biologically Relevant Peptidic Natural Products

Session W-PM2 – Clinical Translation – Pikes Peak
Chair: Amy Keller (University of Colorado)

- 1:30 PM – 2:00 PM **I-16 – Andrew Novick (University of Colorado)**
Effects of Psilocybin on Anhedonia in Treatment-Resistant Major Depressive Disorder
- 2:00 PM – 2:15 PM **C-36 – Ester Oh (University of Colorado Anschutz Medical Campus)**
Acute Effects of Equol on Vascular Endothelial Dysfunction in Postmenopausal Women and Mice
- 2:15 PM – 2:30 PM **C-37 – Alpna Tyagi (University of Colorado Anschutz)**
Honokiol Hexafluoro administration in mice enhances the brain mitochondrial functions
-

3:00 PM – 5:00 PM

ASP Business Meeting – Rocky Mountain Event

All ASP Members Welcome (Associate Members may attend but Voting Privileges are for Full Members Only)

6:30 PM – 7:00 PM

Closing Reception – Atrium

7:00 PM – 10:30 PM

Banquet and Closing Program – Rocky Mountain Event
(Ticketed Event)

****Program Subject to Change****

Thank you for your participation in the 2026 ASP Meeting!



See you in Orlando for ASP2027!

