

ICBS 2026 Annual Conference Agenda

Monday, Oct. 12th, 2026

9:00am - 6:00pm	Registration
9:30am	<u>Trainee Presentations Pt. 1</u> Chaired by Prof. Zaneta Nikolovska-Coleska, PhD (University of Michigan) Xijun Zhu (Stanford University) <i>"Activating p53Y220C with a mutant-specific small molecule"</i> 9:50am Jinsu Bae, PhD (University of California, San Francisco) <i>"Covalent Inhibition of Oncogenic Gαq in Uveal Melanoma Enabled by Ligand-Induced Cryptic Pocket Formation"</i> 10:10am Shizhong Dai, PhD (Stanford University) <i>"Computational design of a versatile, zero-radius proximity labeling enzyme"</i> 10:30am Andrea Arrieche Suarez (National Cancer Institute) <i>"Optimization of drug metabolism and pharmacokinetic properties of a selective autophagy inhibitor to enable evaluation of targeting the ATG14L-Beclin1 Protein-Protein interaction in high-grade serous ovarian cancer models"</i> 10:50am Debojit Bhattacharjee, PhD (Moffitt Cancer Center) <i>"Mapping Cancer Targets with a Fully Functionalized Fragment Platform"</i> 11:10am Julius Pampel (University of California, San Francisco) <i>"Mutant-Selective Covalent Targeting of Oncogenic K-Ras(Q61H)"</i>
11:30am	Lunch Provided
12:30pm	Alexander Whiteside, PhD (RSC Chem Bio) <i>"Writing and publishing for impact"</i>
1:00pm	<u>Trainee Presentations Pt. 2</u> Chaired by Regan Volk, PhD (UCSF) Wyatt Powell, PhD (University of California, San Francisco) <i>"Phosphorylation of S396 and S400 Promotes Tau Self-Assembly and Favors the Chronic Traumatic Encephalopathy (CTE) Protofilament Fold"</i> 1:20pm William Rackear (University of California, Berkeley) <i>"Modulating antigen presentation of autoimmune-associated MHC-I proteins"</i> 1:40pm Talk #3 2:00pm Talk #4 2:20pm Talk #5 2:40pm Talk #6
3:00pm	Break on your own

3:15pm	Karson Kump, PhD (Aditum Bio) <i>"Chemical Biology and Venture Capital Across Diverse Modalities"</i>
4:15pm	Break on your own
5:00pm	Keynote Lecture by Prof. Tanja Kortemme, PhD (UCSF) <i>"AI-guided design of de novo proteins: From new structures to programmable molecular and cellular functions"</i> Chaired by Prof. Michelle Arkin, PhD (UCSF)
6:00pm	Reception and Networking (Drinks and Snacks Provided)
7:00pm	End of Day 1
Tuesday, Oct. 13th, 2026	
8:30am	Coffee & Tea Service
9:00am	Keynote Lecture by Prof. Carolyn Bertozzi, PhD (Stanford University) <i>"Bioorthogonal Chemistry and New Therapeutic Modalities"</i> Chaired by Prof. Steven Banik, PhD (Stanford University)
10:00am	<u>Perspectives on the Future of Drug Discovery</u> Chaired by Prof. Walter Moos, PhD (UCSF)
10:20am	Barry Slick (Hinge Bio) <i>"From Drug Discovery to Drug Invention: What Biotechnology's 1st 50 Years Teach Us About the Next 25"</i>
10:40am	Kathlynn Brown (SRI) <i>"Beyond the Target: Layered Specificity for Drug Delivery"</i>
11:00am	Laura Hsieh (Tipping Point) <i>"Unlocking a New Target Space for Epigenetic Medicine"</i>
11:20am	Christopher Phelps (Nurix) Talk TBD
12:00pm	Barry Bunin (CDD)/Vanessa Braunstein (Eli Lilly) <i>"CDD Vault and Lilly TuneLab"</i>
1:00pm	<u>Frontiers of Molecular Engineering Session</u> Chaired by Prof. Laura Dassama, PhD (Stanford University)
1:25pm	Prof. Matt Francis, PhD (UC Berkeley) <i>"Chemically Modified Viral Capsids for the Targeted Delivery of Anticancer Therapeutics"</i>
1:50pm	Prof. Yimon Aye, PhD (University of Oxford) <i>"Decoding Spatial Bioactivity through Innate Chemical Signaling"</i>
	Prof. Hideaki Kakeya, PhD (Kyoto University) <i>"Natural products-prompted chemical biology: Development and application of highly sensitive labeling"</i>

2:15pm	<i>reagents for amino acids, short peptide fragments, and scarce natural products"</i> Lee Schnaider, PhD (UCSF) <i>"Molecular Engineering of Protein Nanopores via SuFEx Chemistry and De Novo Design"</i>
2:40pm	Poster Session/ Reception (Drinks/Snacks provided)
4:40pm	<u>Chemical Biology at the Cell Surface Session</u> Chaired by Prof. Ziyang Zhang, PhD (UC Berkeley)
5:05pm	Prof. Tania Lupoli, PhD (New York University) <i>"Engineering a sugar salvage enzyme for microbial surface glycan production"</i>
5:30pm	Prof. Johanes Morstein, PhD (California Institute of Technology) <i>"Editing and Functionalizing the Lipidome"</i>
5:55pm	Prof. James Checco, PhD (University of Nebraska-Lincoln) <i>"Affinity-driven aryl diazonium labeling to study peptide-receptor interactions"</i>
6:20pm	Prof. Balyn Zaro, PhD (UC San Francisco) <i>"You Are What You Eat: The Consequence of Phagocytosis at the Macrophage Cell Surface"</i>
6:20pm	End of Day 2
Wednesday, Oct. 14th, 2026	
8:30am	Coffee & Tea Service
9:00am	<u>RNA as a Small Molecule Target presented by EFMC</u> Chaired by Prof. Gianluca Sbardella, PhD (University of Salerno)
9:25am	Prof. Amanda Garner, PhD (University of Michigan) <i>"Enabling Technologies for Revealing Druggable Paths in RNA Biology"</i>
9:50am	Prof. Peng Wu, PhD (MPI/TU Dortmund) <i>"RNA modulations by small molecules and bifunctional modalities targeting RNA-modifying proteins"</i>
10:15am	Jie Liu, PhD (University of California San Francisco) <i>"Proximity-Inducing Modalities for Protein-RNA Condensates"</i>
10:15am	Break
10:45am	<u>Chemical Neuroscience Session</u> Chaired by Prof. Jason Gestwicki, PhD (UCSF)
11:10am	Prof. Dave Olson, PhD (UC Davis) <i>"Psychedelics and Related Plasticity-Promoting Neurotherapeutics"</i>
11:35am	Prof. Evan Miller, PhD (UC Berkeley) <i>"Fiat Lux! Shedding light on cellular physiology and structure"</i>
	Chimno Nnadi, MD, PhD (UCSF) <i>"Deep Learning Guided Phenotypic Drug Screen Uncovers Structure-Activity-Relationships of Pyrazoloquinolinones"</i>

12:00pm	Jason Gestwicki <i>"The Roles of Cellular Factors in Shaping Tau Aggregation"</i>
12:25pm	Lunch on your own
1:25pm	<u>Chemical Technologies Session</u> Chaired by Boris Vauzeilles, PhD (CNRS) Prof. Brian Paegel, PhD (UC Irvine) <i>"DNA-Encoded Library Screening in Living Bacterial Lawns and Human Tissues"</i>
1:50pm	Prof. Stephan Hacker, PhD (Leiden Institute of Chemistry) <i>"Towards Covalent Inhibitors Addressing Diverse Amino Acids - Profiling the Proteome-Wide Selectivity of Electrophilic Compounds"</i>
2:15pm	Prof. Billy Wai-Lung Ng, PhD (Chinese University of Hong Kong) <i>"Beyond Degradation: Chemically Induced Proximity for Targeted Protein Glycosylation"</i>
2:40pm	Prof. Elena Reckzeh, PhD (University of Bonn) <i>"Organoids in Drug Development"</i>
3:05pm	Poster Session/ Reception (Drinks/Snacks Provided)
4:20pm	<u>ICBS 2026 Young Chemical Biologists Session</u> Chaired by Prof. Peng Wu, PhD (Max Planck Institute of Molecular Physiology) Prof. Angad Mehta, PhD (University of Illinois Urbana-Champaign) <i>"In vitro immune-like systems for continuous directed evolution of biologics"</i>
4:45pm	Prof. Yilong Zou, PhD (Westlake University) - Virtual Talk <i>"Chemical basis and intervention of ferroptosis in cancer and tissue injury"</i>
5:10pm	ICBS Global Lectureship Award Chaired by Prof. Jonathan Baell, PhD Prof. Peng Chen, PhD (Peking University) <i>"Encoding New Chemistry into Living Systems"</i>
6:00pm	End of Day 3
Thursday, Oct. 15th, 2026	
8:00am	Coffee & Tea Service
8:30am	ICBS Annual Business Meeting
9:00am	Keynote Lecture by Prof. Georg Winter, PhD (AITHRYA) <i>"Chemical rewiring of biological circuits"</i> Chaired by Prof. Michelle Arkin
10:00am	<u>Undruggable Targets Session</u> Chaired by Prof. Balyn Zaro, PhD (UC San Francisco) Prof. William Pomerantz, PhD (University of Minnesota) <i>"Not Your Average BRD4 inhibitor: Selective Inhibitor and Degradator Approaches for Anticancer and</i>

	<i>Antiinflammatory Epigenetic Therapy</i>
10:25am	Prof. Ziyang Zhang, PhD (UC Berkeley) <i>"Chemical stimulation of GTP hydrolysis for Ras mutants"</i>
10:50am	Prof. Douglas Mitchell, PhD (Vanderbilt) <i>"Engineering RiPPs into Preclinical Candidates"</i>
11:15am	Prof. Pamela England, PhD (UCSF) <i>"Development of a Nurr1-targeting Ligand for the Treatment of Parkinson's Disease"</i>
11:40am	Lunch Break on your own
12:40pm	<u>Systems Chemical Biology Session</u> Zaneta Nikolovska-Coleska (University of Michigan)
1:05pm	Prof. Margaux Pinney, PhD (UC Berkeley) <i>"High-Throughput Chemical Biology: Quantitative Resistance Landscapes and Allosteric Control"</i>
1:30pm	Prof. Steven Banik, PhD (Stanford University) <i>"Reprogrammed Human Argonaute 2 For Targeted RNA Post-Transcriptional Manipulation"</i>
1:55pm	Prof. Seung Bum Park, PhD (Seoul National University) <i>"Phenotypic Discovery of Small-Molecule Therapeutics Powered by AI-driven Rational Design to Modulate Protein-Protein Interactions"</i>
2:20pm	Prof. Jason Sheltzer (Stanford University) <i>"A multi-agent AI system for accurately determining drug mechanism-of-action at scale"</i>
4:20pm	<u>Chemical Biology at the Cell Surface Session</u> Chaired by Shuibing Chen (Weill Cornell University)
4:45pm	Prof. Nick Riley, PhD (University of Washington) <i>"Strategies to decode the complexity of the glycoproteome"</i>
5:10pm	Prof. Naima Sharaf, PhD (Stanford University) <i>"Engineering Crosslinked Bacterial Lipoprotein-based Nanoparticles"</i>
5:35pm	Prof. Laura Dassama, PhD (Stanford University) <i>"Fat forage: how pathogenic bacteria build unusual cell envelopes".</i>
6:00pm	Awards and Closing Ceremony
	End of Conference