

**2024 Genetic Code Expansion Conference**  
**August 8-10th**  
**Corvallis, Oregon, USA**

**THURSDAY, AUGUST 8<sup>TH</sup>**

<b>Arrival &amp; Registration (5:00 –7:00 pm)</b>
<b>Dinner (7:00 - 8:00 pm)</b>
<b>Welcome Address (8:00 – 8:15 pm)</b>
<b>Keynote #1: Peter Schultz (8:15 – 9:15 pm)</b>

**FRIDAY, AUGUST 9<sup>TH</sup>**

8:00 am	<b>Hot breakfast available</b>
<b>Session 1 (9:00 – 10:35 am)</b>	
9:00 – 9:25 am	<b>Satpal Virdee</b> , University of Dundee <i>Expanding the ubiquitin system with engineered protein sensors</i>
9:25 – 9:50 am	<b>Andrew Ellington</b> , University of Texas at Austin, USA
9:50 – 10:15 am	<b>Sebastian Greiss</b> , University of Edinburgh
10:15 – 10:35 am	<b>John Lueck</b> , University of Rochester, USA <i>Development of therapeutic suppressor tRNAs</i>
<b>Group Photo &amp; Coffee Break (10:35 – 11:00 am)</b>	
<b>Session 2 (11:00 am – 12:45 pm)</b>	
11:00 – 11:25 am	<b>Sharona Gordon</b> , University of Washington, USA <i>Real-time traffic: new optical tools for measuring exocytosis and endocytosis applied to TRPV1 ion channels</i>
11:25 – 11:50 am	<b>Ivana Nikic Spiegel</b> , Tübingen University, Germany <i>Axonal injury: from advanced imaging to genetic code expansion-based tools for minimally invasive protein tagging</i>
11:50 am – 12:15 pm	<b>Tao Uttamapinant</b> , VISTEC, Thailand <i>Detection of proteoforms and cellular translation events with genetic code expansion</i>
12:15 – 12:35 pm	<b>Richard Obexer</b> , University of Manchester, UK
12:35 – 12:45 pm	<b>Akos Neyerges</b> , Harvard Medical School, USA <i>Synthetic Genomes and Genetic Codes</i>
<b>Lunch (12:45 – 2:30 pm)</b>	
<b>Tour of the Linus Pauling Nobel Prize Special Collections</b> – Meet out front at 1 pm to walk over <i>Must sign up in advance, only 15 slots available.</i>	

**2024 Genetic Code Expansion Conference**  
**August 8-10th**  
**Corvallis, Oregon, USA**

**FRIDAY, AUGUST 9<sup>TH</sup>**

**Cont.**

<b>Session 3 (2:30 – 4:15 pm)</b>	
2:30 – 2:55 pm	<b>Marcello Marelli</b> , AstraZeneca <i>An unnatural partnership: Satisfying the functional needs and manufacturing wants of drug development</i>
2:55 – 3:20 pm	<b>Feng Tian</b> , Luxvitae Therapeutics <i>Journey Toward Its Commercialization of the Expanded Genetic Codon--an Ambrx Story</i>
3:20 – 3:30 pm	<b>Erkin Kuru</b> , Harvard Medical School, USA <i>Harnessing the power of synthetic chemical biology to illuminate (and cure) disease</i>
3:30 – 4:15 pm	<b>Poster Flash Talks (Evens)</b> *If you were selected for a session talk, you won't give a flash talk
<b>Coffee Break (4:15 – 4:30 pm)</b>	
<b>Poster Session (4:30 – 6:00 pm)</b> <i>Drinks and appetizers beginning at 5:00 pm</i>	
<b>Dinner (6:00 – 7:00 pm)</b>	
<b>Session 4 (7:10 – 8:45 pm)</b>	
7:10 – 7:30 pm	<b>Dan Groff</b> , Sutro Biopharma <i>Production of advanced therapeutics using non-natural amino acids</i>
7:30 – 8:30 pm	<b>Keynote #2: Mike Jewett</b> , Stanford University <i>Transforming cell-free systems for synthetic biology</i>

**SATURDAY, AUGUST 10<sup>TH</sup>**

8:00 am	<b>Hot breakfast available</b>
<b>Session 1 (9:00 – 10:35 am)</b>	
9:00 – 9:25 am	<b>Tao Liu</b> , Peking University, China <i>A humanized genetic code expansion system for non-canonical amino acid controlled gene expression</i>
9:25 – 9:50 am	<b>Irene Coin</b> , Leipzig University, Germany <i>GCE reveals structural and dynamic details of GPCR function from the live cell</i>
9:50 – 10:15 am	<b>James Van Deventer</b> , Tufts University, USA <i>Pharmacophore-driven antibody discovery</i>
10:15 – 10:40 am	<b>Shixian Lin</b> , Zhejiang University, China <i>New genetic code expansion strategies for probing the biological functions of protein PTMs</i>

**2024 Genetic Code Expansion Conference**  
**August 8-10th**  
**Corvallis, Oregon, USA**

**SATURDAY, AUGUST 10<sup>TH</sup>**  
**Cont.**

<b>Coffee Break</b> (10:40 – 11:15 am)	
<b>Session 2</b> (11:15 am – 12:45 pm)	
11:15 – 11:40 am	<b>Farren Isaacs</b> , Yale School of Medicine, USA
11:40 – 12:05 am	<b>Michelle Chang</b> , UC Berkeley, USA
12:05 – 12:25 pm	<b>Rick Cooley</b> , Oregon State University, USA <i>Decoding the Dark Proteome: Innovations in Genetic Code Expansion for Phosphorylated Proteins</i>
12:25 – 12:45 pm	<b>Ross Thyer</b> , Rice University, USA <i>Emulsion-based directed evolution platforms to engineer non-canonical amino acid biosynthesis</i>
<b>Lunch</b> (12:45 – 2:00 pm) <i>GCE Conference business meeting during lunch</i>	
<b>Session 3</b> (2:00 – 4:10 pm)	
2:00 – 2:25 pm	<b>Ali Deliz Liang</b> , University of Zurich, Switzerland <i>Enzyme engineering with genetic code expansion</i>
2:25 – 2:50 pm	<b>Tina Boville</b> , Aralez Bio
2:50 – 3:10 pm	<b>Cory Dunn</b> , GRO Biosciences <i>Disruption Activated Reporter Transcription, a Method for Recovery of Aminoacyl-tRNA Synthetases That Promote Incorporation of NSAAs</i>
3:10 – 3:30 pm	<b>Christine Koehler</b> , Veraxa
3:30 – 4:10 pm	<b>Poster Flash Talks</b> (Odds) *If you were selected for a session talk, you won't give a flash talk
<b>Coffee Break</b> (4:15 – 4:30 pm)	
<b>Poster Session</b> (4:30 – 6:00 pm) Drinks and appetizers beginning at 5:00 pm	
<b>Dinner</b> (6:00 – 7:00 pm)	

**2024 Genetic Code Expansion Conference**  
**August 8-10th**  
**Corvallis, Oregon, USA**

**SATURDAY, AUGUST 10<sup>TH</sup>**  
Cont.

<b>Session 4 (7:10 – 8:4 pm)</b>	
7:10 – 7:20 pm	<b>Yuda Chen</b> , University of California, San Francisco (UCSF)
7:20 – 7:30 pm	<b>Anamika Singh</b> , GCE4All Research Center, Oregon State University, USA <i>Evaluating Ligase Feasibility for Targeted Protein Degradation in Living Systems with Genetic Code Expansion</i>
7:30 - 7:40 pm	<b>Meghan Breen</b> , Furman University, USA <i>Developing GCE tools for Candida glabrata</i>
7:45 – 8:45 pm	<b>Keynote #3: Alanna Schepartz</b> , UC Berkeley, USA <i>Broadening the concept of a genetically encoded material</i>
<b>Conference Ending Festivities 9:00 pm</b> <i>At Ryan Mehl's house – walking distance away</i> <i>Address provided at keynote</i>	