

Thanks to the generosity of our sponsors and support from ASPET, ASBMB, and APS, the GPCR colloquium is being provided at no extra charge with your paid registration to Experimental Biology. Register for EB here: www.aspet.org/eb2021/register

Tremendous scientific advancements over the last decade indicate that GPCR physiology and pharmacology are much more complex than originally thought and that it may be possible to exploit this complexity to treat a wide variety of diseases. The objective of this colloquium is to expose scientists to recent discoveries and multidisciplinary approaches used to study GPCRs and provide opportunities for establishing collaborations that bridge complementary interests. The event features speakers who have made exciting discoveries in GPCR research that range from molecular to systems biology, basic research to translational studies, and pharmacology to biochemistry to physiology.

Co-Chairs

- Tracy M. Handel, University of California, San Diego
- Paul Insel, University of California, San Diego
- Jennifer Pluznick, Johns Hopkins University School of Medicine

Program

Monday, May 10, 2021	TIME ZONE CONVERSIONS FOR EVENT START TIME				5
Session/Event	CDT	MDT	PDT	GMT	UTC
Welcome and Keynote Address 11:00 am - 12:15 pm Eastern Daylight Time Image: Structural Control of the	10:00 AM	9:00 AM	8:00 AM	3:00 PM	15:00

Session/Event	CDT	MDT	PDT	GMT	UTC
Symposium I Systems Biology Approaches to GPCR Physiology and Pharmacology 12:15 pm - 2:15 pm Eastern Daylight Time					
Mark Knepper, NHLBI V2R-omics: Multi-systems Approaches to Define Vasopressin Action					
Nina Wettschureck, Max Planck Institute for Heart and Lung Research Single Cell Analysis of GPCR Expression: Implication for Physiology and Pathophysiology	11:15 AM	10:15 AM	9:15 AM	4:15 PM	16:15
Kirill Martemyanov, The Scripps Research Institute Deciphering Diversity of GPCR Signaling					
Sriram Kosuri, Univ. of California, Los Angeles Combining Synthesis and Multiplexed Assays to Explore Human Biology: GPCRs as a Paradigm					
GPCR Short Talks 2:30 pm - 4:00 pm Eastern Daylight Time The co-chairs have highlighted the work of 9 young scientists in this short talk session.	1:30 PM		11:30 AM	6:30 PM	18:30
In addition, on May 10 look for a new cross-disciplinary poster session dedicated to the Colloquium with 150 GPCR poster PDFs along with the author audio narrations.					

Tuesday, May 11, 2021	TIME ZONE CONVERSIONS FOR EVENT START TIME				
Session/Event	CDT	MDT	PDT	GMT	UTC
Symposium II GPCR Structural Biology and Drug Discovery 11:00 am - 1:00 pm Eastern Daylight Time					
Chris Tate, Cambridge Univ. <i>Molecular Basis for High-affinity Agonist Binding at the Beta1-adrenoceptor</i>					
Bryan Roth, Univ. of North Carolina New Technologies for Structure-guided GPCR Drug Discovery	10:00 AM	9:00 AM	8:00 AM	3:00 PM	15:00
Minghong Ma, Univ. of Pennsylvania G Protein–Coupled Olfactory Receptors: Novel Insights into Responsiveness and Mechano-Sensitivity					
Laura Wingler, Duke Univ. <i>Molecular Mechanisms of Biased Signaling at the Angiotensin</i> <i>Receptor</i>					

Session/Event	CDT	MDT	PDT	GMT	UTC
Sympoisum III GPCRs in Pathophysiology and Pathobiology 1:15 pm - 3:15 pm Eastern Daylight Time					
Jerold Chun, Sanford Burnham Prebys. <i>Lysophospholipid - LPA and S1P - Receptors in Brain Disorders</i> <i>and Therapeutics</i>					
Kathleen Caron, Univ. of North Carolina Novel Regulatory Functions of GPCRs in Vascular Growth and Remodeling	12:15 PM	11:15 AM	10:15 AM	5:15 PM	17:15
Willis (Rick) Samson, St. Louis Univ. Novel Peptide-activated (Orphan) GPCRs: New Insights and Therapeutic Opportunities					
Lora Heisler, Univ. of Aberdeen <i>Targeting GPCRs to Improve Obesity</i>					
Closing Talk and Best Poster Awards 3:30 pm - 4:00 pm Eastern Daylight Time					
R. Scott Prosser, Univ. of Toronto NMR Inspired Studies of GPCR Activation and the Connection to Pharmacology - A Non-Wikipedia Perspective	2:30 PM	1:30 PM	12:30 PM	7:30 PM	19:30
Announcement of Best Poster Awardees Vote for the GPCR Colloquium Best Poster using the link in the pink box above the Q&A area of the session.					

The Joint GPCR Colloquium is hosted by the following

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British Journal of Pharmacology

Sponsor list as of 3/1/2021

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View the FAQ and Troubleshooting tab:

- Login information
- Searching the program
- Setting up your profile
- Connecting and chatting with attendees
- Video chats
- Creating your schedule
- Joining a session
- Navigating the exhibit hall
- General EB Questions

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