

Adhesion GPCR Workshop 2024

Program | Mexico City | October 23 to 25

Wednesday October 23

Time	Session	Speaker	Title or Activity
9:00 AM	Opening		Registration and welcoming remarks
10:00 AM	Student Flash Presentations	Abhishek Kumar Singh	Adgrg6 Gpr126 is Required for Myocardial Notch Activity and N cadherin Localization to Attain Trabecular Identity
		Alex Torrelli-Diljohn	Investigating the Role of ADGRB3 Loss of Expression in Brain Tumor Formation in Li Fraumeni Syndrome
		Emmanouil Kyrloglou	GPR124 Mediates Adhesion of Leukemic Stem Cells to Their Niche and Leads to Myeloid Skewing
		Vasiliki Karagiannakou	A Single Cell GPCR Map of Thermogenic Fat
		Lara-Sophie Brodmerkel	GAIN Domain Dynamics and Its Relevance for Adhesion GPCR Signaling In Vivo
		Rashed Rezwana Parag	Novel Isoforms of Adhesion GPCR B1 ADGRB1 BAI1 Generated from an Alternative Promoter in Intron 17
		Hailey Steichen	Identification of Differentially Expressed Gpr116 Adgrf5 Transcript Variants in Mouse Kidney
		Tyler Bernadyn	Elucidating the Role of GPR97 ADGRG3 in Neutrophil Biology
		Jesse Stillwell	Next Generation MBD2 Inhibitors for Brain Cancer Therapy
12:00 PM	Break		Coffee break with light snacks
12:30 PM	State of the Art Talk	Tobias Langenhan	Adhesion GPCR in Mechanobiology
1:00 PM	Plenary Lecture	Jin-Peng Sun	Identification and Functional Characterization of Adhesion GPCRs as Steroid Hormone Receptors and Hearing and Balance Receptors
2:00 PM	Break		Complimentary lunch
3:00 PM	Session I	Signe Mathiasen	Signaling Properties of ADGRL3
		Demet Arac	An ECR Mediated and TA Independent Mechanism of aGPCR Activation Direct Communication of Extracellular Region with Transmembrane Domain in a Holo Adhesion GPCR
		Andrew Dates	Heterogeneity of Tethered Agonist Signaling in Adhesion G Protein Coupled Receptors
		Frank Kwarcinski	Discriminating Between the Extracellular Scaffolding and G Protein Signaling Roles of GPR56 ADGRG1 via a Non Cleavable Point Mutant Mouse H381S
		Peng Xiao	Tethered Peptide Activation Mechanism of Adhesion GPCRs
5:00 PM	Evening Program		Leave for city center
5:30 PM	Evening Program		Mexico City nocturnal tour food and drinks

Thursday October 24

Time	Session	Speaker	Title or Activity
9:00 AM	Session II	Yuling Feng	Localization of Putative Ligands for Adhesion G Protein Coupled Receptors in Mouse Tissues
		Montserrat Avila Zozaya	The ADGRF5 GPR116 Receptor Is a Key Regulator of Lymphatic Endothelial Cell Identity and Function
		Erwin G Van Meir	Adhesion GPCR BAI1 ADGRB1 Can Block IGF1R Mediated Growth Signalling Increase Radiosensitivity and Augment Survival in Medulloblastoma
		Pal Kasturi	Site Specific N Glycosylation of the N Terminal Fragment of ADGRG6 Drives Proteolytic Processing Trafficking and Signalling
10:30 AM	Break		Coffee break with light snacks
11:00 AM	Session III	Stephanie Hafner	The NTF Release Sensor Approach for Drug Discovery for Human Adhesion GPCRs
		Laurent Sabbagh	bioSens All A Multiparametric BRET Based Platform for Comprehensive Profiling of Adhesion GPCR Signaling and Pharmacology Enabling Drug Discovery
		Ana Lilia Moreno Salinas	Characterizing hADGRE5 CD97 Activation and Signaling A Mechanical Stimulation BRET Based Approach MS BRET
12:00 PM	Session IV	Joseph Duman	BAI1 ADGRB1 Mediated Regulation of Mitochondrial Morphology in Axons
		Simeon R Mihaylov	Bai1 Is a Novel Neuronal Substrate of the Psychiatric Risk Kinase TNIK
		Anne Bormann	Intricacies of Complex Assembly and Ligand Interaction in the Adhesion GPCR Latrophilin Cirl
1:00 PM	Break		Complimentary lunch
2:00 PM	Poster Session		Posters
3:00 PM	Session V	Fabian Pohl	Structural Determinants of GAIN Domain Autoproteolysis and Cleavage Resistance of Adhesion G Protein Coupled Receptors
		Sumit Bandekar	Structural Studies of the CELSR1 Extracellular Region Reveal a Compact Multidomain Module of Fourteen Domains Which Regulates Signaling
		Florian Seufert	Unveiling the GPS Cleavage Mechanism in ADGRL1 with QM MM
4:00 PM	Meeting		Board meeting and general assembly
5:00 PM	Evening Program		Leave for dinner reception
5:30 PM	Evening Program		Complimentary reception dinner

Friday October 25

Time	Session	Speaker	Title or Activity
9:00 AM	Session VI	Yimin Zou	ADGRCs in Glutamatergic Synapse Formation Maintenance and Degeneration
		Dimitris Placantonakis	Antibody Drug Conjugates Targeting CD97 in Glioblastoma
		Nicole Perry-Hauser	Adhesion G Protein Coupled Receptor Latrophilin 3 ADGRL3 Modulation of Dopaminergic Neurotransmission
10:00 AM	Break		Coffee break with light snacks
10:30 AM	Session VII	Beatriz Blanco Redondo	Uncovering the Signaling Pathway of the ADGRA Homolog Remoulade in Drosophila
		Willem Berend Post	The Adhesion GPCR Latrophilin Interacts with the Notch Pathway to Control Germ Cell Proliferation
11:10 AM	Dr GPCR Communication Presentation	Montserrat Avila Zozaya	Breaking Barriers My Journey from Mexico to the Heart of the Dr GPCR Ecosystem and Beyond
11:30 AM	Session VIII	Cheng-Chih Hsiao	ADGRG1 GPR56 Regulates Survival of Terminally Differentiated CD8 T Cells
		Anastasia Georgiadi	Adhesion GPCR GPR116 Adgrf5 Controls a Lineage of Anti Thermogenic Adipocytes with Implications for Adaptive Thermogenesis During Prolonged Cold Exposure
		Douglas Tilley	ADGRF5 Mediated Regulation of Cardiac Health and Disease
12:30 PM	Break		Complimentary lunch
1:30 PM	Session VIII Continued	Tobias Langenhan	The CELSR ADGRC Homolog Flamingo Is Not Autoproteolytically Processed by the GAIN Domain
		Hee-Yong Kim	Characterization of Phenotypes Associated with GPR110 Deletion
		Alain Garcia De Las Bayonas	The Adhesion GPCR Cupidon Regulates Mating in the Closest Relatives of Animals
		Gabriela Aust	Critical Role for CD97 ADGRE5 in the Induction of Allergic Airway Inflammation
2:50 PM	Technology Capsule	Gavin Zhang	Light on aGPCR Signaling and Function NovoiSMART A New Platform for GPCR Antibody Drug Discovery
3:20 PM	Break and Award		Coffee break with pastries and announcement of the aGEM Award
4:00 PM	Closing		Closing remarks
5:00 PM	Departure		Departure