

Program

FINAL PROGRAMME

Day 1 (Thursday, July 15th)

8:45 (PT)/09:45 (CET) - 09:00 (PT)/10:00 (CET) **Welcome** from Dr. Andre Maia (local organiser, MC Representative, WG4 leader) and Prof. Ines Liebscher (Scientific Representative ADHER'N RISE) and Prof. Simone Promel (Chair ADHER'N RISE).

SESSION I - Technical Advances in aGPCR reserach

Chairs: Mark Soave & Caroline Wilde

9:00 (PT)/10:00 (CET) - 09:45 (PT)/10:45 (CET) - **Keynote:** Challenges and solutions to disentangle adhesion GPCR functions
Tobias Langenhan, Leipzig University, Germany

09:45 (PT)/10:45 (CET) - 10:00 (PT)/11:00 (CET) - Break

10:00 (PT)/11:00 (CET) - 10:25 (PT)/11:25 (CET) - Selected talk: *In silico* drug repurposing of small organic molecules and peptide ligands for GPR56 receptor
Milan Sencanski

10:25 (PT)/11:25 (CET) - 10:50 (PT)/11:50 (CET) - Selected talk: GPCRomics of Homeostatic and Disease-Associated Human Microglia
Cheng-Chih Hsiao

10:50 (PT)/11:50 (CET) - 11:05 (PT)/12:05 (CET) - Break

11:05 (PT)/12:05 (CET) - 11:30 (PT)/12:30 (CET) - Selected talk: Quantitative assessment of constitutive G protein-coupled receptor activity with BRET-based

G protein biosensors

Hannes Schihada

11:30(PT)/12:30 (CET) - 13:00 (PT)/14:00 (CET) - Lunch break

SESSION II - Physiology of aGPCR

Chair: Katja Spiess & Maja Nybo

13:00 (PT)/14:00 (CET) - 13:45 (PT)/14:45 (CET) - **Keynote:** Building bodies: Adhesion-GPCRs at the front, back and sides

Caroline Formstone, King's College London, UK

13:45 (PT)/14:45 (CET) - 14:00 (PT)/15:00 (CET) - Break

14:00 (PT)/15:00 - 14:25 (PT)/15:25 (CET) - Selected talk: Adgra3 required for male fertility through regulations of fluid reabsorption and calcium/phosphate homeostasis

Maja Lind Nybo

14:25 (PT)/15:25 (CET) - 14:50 (PT)/15:50 (CET) - Selected talk: Unravelling the role of adhesion G-protein-coupled receptor Gpr126 signalling in the blood-brain barrier

Monica Giannotta

14:50(PT)/15:50 (CET) - 15:15 (PT)/16:15 (CET) - Selected talk: Characterisation of CG15744 (remoulade), a novel adhesion GPCR in *Drosophila melanogaster*

Genevieve Auger

15:15 (PT)/16:15 (CET) - 15:30 (PT)/16:30 (CET) - Break

15:30 (PT)/16:30 (CET) - 15:55 (PT)/16:55 (CET) - Selected talk: The non-autonomous role of the adhesion GPCR Mayo/CG11318 in the ion regulation of larval hemolymph of *Drosophila melanogaster*

Fernando Contreras

15:55 (PT)/16:55 (CET) - 16:20 (PT)/17:20 (CET) - Selected talk: Mumps virus exploitation of adhesion G protein-coupled receptor ADGRA3 (GPR125)

Katja Spiess

16:20 (PT)/17:20 (CET) - 17:00 (PT)/18:00 (CET) - Break

17:00 (PT)/18:00 (CET) - 18:00 (PT)/19:00 (CET) - **Poster session**

Day 2 (Friday, July 16th)

SESSION III - Networking within and outside the COST Action

9:00 (PT)/10:00 (CET) - 11:00 (PT)/12:00 (CET) - **Workgroup meetings**

WG 1: Biljana Stankovic

WG 2: Ines Liebscher

WG 3: Jan Weber

WG 4: André Maia

WG 5: Ana Rotter

11:00 (PT)/12:00 (CET) - 11:30 (PT)/12:30 (CET) - Workgroup meetings wrap-up & announcements

11:30 (PT)/12:30 (CET) - 12:30 (PT)/13:30 (CET) - **Invited talk:** Dr. GPCR: how to marry GPCRs, communication and entrepreneurship

Yamina Berchiche, Dr. GPCR Ecosystem, Boston, USA

12.30 (PT)/13:30 (CET) - 13:00 (PT)/14:00 (CET) - Lunch

13:00 (PT)/14:00 (CET) - 14:50 (PT)/15:50 (CET) - MC Meeting (by invitation only)

SESSION IV - Insights in structure and function of aGPCR

Chairs: Amal Hassan & Tanya Whitfield

15:00 (PT)/16:00 (CET) - 15:45 (PT)/16:45 (CET) - **Keynote:** A molecular understanding for the activation of adhesion GPCR transmembrane region
Demet Arac, University of Chicago, USA

15:45 (PT)/16:45 (CET) - 16:00 (PT)/17:00 (CET) - Break

16:00 (PT)/17:00 (CET) - 16:25 (PT)/17:25 (CET) - Selected talk: Homology modeling of GPR114/ADGRG5 with Rosetta elucidates possible interactions between ECL2 and GAIN Domain

Fabian Liessmann

16:25 (PT)/17:25 (CET) - 16:50 (PT)/17:50 (CET) - Selected talk: Phenotypic screening in zebrafish larvae reveals candidate modulators of the adhesion GPCR Adgrg6 (Gpr126)

Ansar Azad

16:50 (PT)/17:50 (CET) - 17:05 (PT)/18:05 (CET) - Break

17:05 (PT)/18:05 (CET) - 17:30 (PT)/18:30 (CET) - Selected talk: Defining the mechanical forces needed to activate the adhesion G protein-coupled receptor GPR126/ADGRG6

Jakob Mitgau

17:30 (PT)/18:30 (CET) - 17:35 (PT)/18:35 (CET) - Closing Remarks