

Ion Channels and Gene Therapy

Friday, July 07, 2023

St.-Vinzenz-Haus, Friedrich-von-Gärtner-Saal, Nußbaumstr. 5, 80336 Munich



Welcome

- 09:15 - 09:30 **Christian Wahl-Schott** (LMU)/ **Franz Hofmann** (TUM)
09:30 - 09:45 **Thomas Gudermann** (Dean of the Faculty of Medicine, LMU)

Ion channels

- 09:45 - 10:15 **Antony Galione** (University of Oxford)
Signalling to the lysosome by NAADP
10:15 - 10:45 **Dejian Ren** (University of Pennsylvania)
Plasma and Organelle Ion Channels
10:45 - 11:15 **Matteo Mangoni** (University of Montpellier)
How do L-type Cav1.3 and f-(HCN) channels accelerate the heartbeat
11:15 - 11:45 **Jörg Striessnig** (University of Innsbruck)
Cav1.3 L-Type Calcium Channels in Human Disease: Beyond Deafness

Lunch 11:45 - 13:00

- 13:00 - 13:30 **Gang Pei** (Shanghai Institutes for Biological Sciences)
Translating stem cell technologies into clinical application
13:30 - 14:00 **Anna Moroni** (University of Milan)
Structural explanations of HCN properties
14:00 - 14:30 **Elisabetta Cerbai** (University of Florence)
A bridge on the f-channel connecting Florence and Munich
14:30 - 15:00 **Jian Yang** (Columbia University)
Conformational landscape of activation of two pore channels

Coffee Break 15:00 - 15:30

Gene Therapy

- 15:30 - 16:00 **Alberto Auricchio** (Telethon Institute of Genetics and Medicine)
EXPEDITing AAV gene therapy
16:00 - 16:30 **Botond Roska** (University of Basel)
Restoring Vision
16:30 - 17:00 **Andreas Busch** (Absci)
AI-based approaches in drug development
17:00 - 17:30 **Hildegard Büning** (Medizinische Hochschule Hannover)
TBA
17:30 - 18:00 **Martin Biel** (LMU)
Channelopathies: the rocky road from bench to bedside

Get-together