

Satellite symposium to the European Calcium Channel Conference 2022

Sunday, May 22, 2022, at the CCB (M.01.470/M.01.490, east entrance)

Session 1 Chair: Thomas Heigl and Tamara Theiner

09:30 Emilio Carbone // University of Torino, Italy

L-type channelopathies causing autism: common gating changes identified in autistic mouse models

09:55 Anjali Rajadhyaksha // Cornell University, USA

Learning to Forget: Could neuropsychiatric risk gene cacna1c underlie individual susceptibility to addiction

10:20 Ryuichi Shigemoto // IST Austria

Presynaptic plasticity mediated by changes in number and distribution of Cav2.1 at the active zone

10:45 COFFEE BREAK

Session 2 Chair: Cornelia Ablinger and Noelia Jacobo-Piqueras

11:15 Ivy Dick // University of Maryland, USA

Variable effects of channelopathic mutations on Cav1.2 function

11:40 Gary Stephens // University of Reading, UK

Effects of the $\alpha_2\delta$ -like subunit CACHD1 on calcium channel function

12:05 Annette Dolphin // UCL, UK

Effects of mutation in Cache domain of $\alpha_2\delta$ -1 subunit

12:30 LUNCH BREAK

13:30 POSTER SESSION

15:30 COFFEE BREAK

Session 3 Chair: Simone Pelizzari and Wietske Tuinte

16:00 Manu Ben Johny // Columbia University, USA

Sodium Channelopathies: Distinct phenotypes, common mechanisms, and towards shared therapies

16:25 Gerald Zamponi // University of Calgary, Canada

Ubiquitination of T-type calcium channels - a molecular target for a new class of analgesics

16:50 Gerald Obermair

Closing remarks

