

27th-28th March 2015

K_{2P}-channels - from molecules to Physiology and Pathophysiology



Marburg, Germany

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*K_{2P}-Kanäle - vom Molekül zur
Physiologie und Pathophysiologie*

FOR 1086

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OF FOR 1086

Friday, 27th March

Aula der Alten Universität, Lahntor 3, 35037 Marburg

13:00 Welcome reception at the Old University of Marburg

14:00 Opening remarks

14:15 Stephen J. Tucker, Oxford, UK
A structural basis for gating in K_{2P}-Channels

15:00 Daniel L. Minor, J, San Francisco, USA
Structural and chemical biology studies of K_{2P} channel gating and modulation

15:45 Thomas Baukrowitz, Kiel, Germany
Gating mechanisms in K_{2P}-channels

16:30 Coffee break

17:00 Sylvain Feliciangeli, IPMC, Nice, France
TWIK-1 and THIK-2: Silent channels speak up

17:45 Jürgen Daut, Marburg, Germany
An extracellular drug binding site in K_{2P}-channels

18:30 Sven G. Meuth, Münster, Germany
Role of K_{2P} channels in neuroinflammatory degeneration

20:30 Dinner at the castle

The poster session starts at 12 noon. Posters can be discussed throughout the meeting

Saturday, 28^h March

Großer Hörsaal, Institut f. Physiologie u. Pathophysiologie, Deutschhausstr. 2

Lecture theatre of the Institute of Physiology and Pathophysiology, Deutschhausstr. 2.

9:00 Dominik Oliver, Marburg, Germany
The inhibition of TASK channels via G-protein-coupled receptors

9:45 Blanche Schwappach
Role of 14-3-3 proteins in regulating the surface expression of TASK channels

10:30 Francisco Sepulveda, Valdivia, Chile
Gating and function of TASK-2 channels

11:15 Coffee break

11:45 Peter Enyedi, Budapest, Hungary
Regulation and function of TRESK channels

12:30 Douglas A. Bayliss, Charlottesville, USA
Central respiratory chemosensitivity: receptors and background K channels conspire to confer pH sensitivity onto retrotrapezoid nucleus neurons

13:15-14:30 Lunch break

Saturday, 28^h March

Großer Hörsaal, Institut f. Physiologie u. Pathophysiologie, Deutschhausstr. 2

14:30 Thomas Budde, Münster, Germany
Role of K_{2P}-channels in the thalamus

15:15 William Wisden, London, UK
The role of K_{2P}-channels in anaesthesia and sleep

16:00 Alistair Mathie, Kent, UK
K_{2P}-channels as potential targets for the treatment of pain

16:45 Coffee break

17:15 Richard Warth, Regensburg, Germany
K_{2P}-channels in the adrenal gland

18:00 Niels Decher, Marburg, Germany
K_{2P}-channels in the heart

18:45 Concluding remarks

19:00 Refreshment

20:00 Dinner at Vino Nobile

Support and sponsors:

- Institute of Physiology I, Münster
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