

**International Symposium on
„Regulation of Cell Function by Transient Receptor Potential Channels“
13th April – 15th April 2026
Herrsching (near Munich)**

Monday, 13th April 2026

03:00 – 03:15 pm	Introduction: Thomas Gudermann
03:15 – 04:00 pm	Plenary lecture: Craig Montell (University of California, TRP channels and the control of mosquito disease vectors
	Session I Organellar Ion Channels
04:00 pm	Chair:
04:00 – 04:30 pm	Wang Zheng (University of Wisconsin-Madison), Structural and functional basis of mechanosensitive TMEM63 channelopathies
04:30 – 05:00 pm	Thomas Jentsch (Leibniz Forschungsinstitut für Molekulare Pharmakologie, Berlin), Regulation of endosomal anion transport by novel TMEM9 subunits in health and disease
05:00 – 05:30 pm	Jun Suzuki (Kyoto University), A coupling system for asymmetrical distributions of ions and lipids
05:30 – 06:00 pm	Hyun-Jin Kim (Sungkyunkwan University School of Medicine, Suwon, Korea), Dynamic regulation of TRPML channels during autophagy
06:00 – 06:30 pm	Christian Grimm (LMU), Endolysosomal TRPMLs/TPCs: New aspects of their disease relevance
06:30 – 07:30 pm	Dinner
08:00 pm	Chair:
08:00 pm	Evening talk: Vera Moiseenkova-Bell (University of Pennsylvania) , Advancing the understanding of TRP channels structure and function through cryoEM and cryoET
Afterwards	Welcome Party

TRIPs TO HOMEOSTASIS

MAINTENANCE OF BODY HOMEOSTASIS BY TRANSIENT RECEPTOR POTENTIAL CHANNEL MODULES

Tuesday, 14th April 2026

07:30 – 09:00 am	Breakfast
09:00 – 09:45 am	Plenary lecture: Wei Lü (Northwestern University) , Temperature Reshapes TRPM4 Pharmacology
	Session II Cell Physiology
09:45 am	Chair:
09:45 – 10:15 am	Wolfgang Kübler (Charité, Berlin) , TRPV4 as a key regulator of lung endothelial barrier function
10:15 – 10:45 am	Sven Erik Jordt (Duke University School of Medicine, Durham, USA), TRP Channels & Tobacco: Physiology, Toxicology and Insights from Regulatory Science
10:45 – 11:15 am	Coffee break
11:15 – 11:45 am	Rudi Vennekens (KU Leuven), TRPM Channels in the heart
11:45 – 12:15 am	Susanna Zierler (LMU, University Linz), Targeting the channel-kinase TRPM7 to modulate immunity
12:15 – 12:45 pm	Lixia Yue (UConn Health, University of Connecticut) , TRPM2 in Ischemic Stroke: From Mechanisms to Therapeutic Potential
12:45 – 01:45 pm	Lunch
02:00 – 05:00 pm	Social Activities
05:00 – 06:30 pm	Poster Session
06:30 – 07:30 pm	Dinner
08:00 pm	Chair:
08:00 pm	Evening talk: Jürgen Wess (NIH, Bethesda), Identification of GPCR signaling pathways critical for regulating glucose and energy homeostasis
Afterwards	Get together

TRIPs TO HOMEOSTASIS

MAINTENANCE OF BODY HOMEOSTASIS BY TRANSIENT RECEPTOR POTENTIAL CHANNEL MODULES

Wednesday, 15th April 2026

07:30 – 09:00 am	Breakfast
09:00 – 09:45 am	Plenary lecture: Alexander Sobolevsky (Columbia University, NYC), Structural mechanisms of TRPM7 activation and inhibition
	Session III Sensory and Neuronal Functions
09:45 am	Chair:
09:45 – 10:15 am	Frank Zufall (UdS Homburg), Chemosensation: From ion channels to defense and innate immunity
10:15 – 10:45 am	Christoph Schneider (University of Zurich) , Visualizing chemosensation in epithelium–immune cell crosstalk
10:45 – 11:15 am	Coffee break
11:15 – 11:45 am	Gabriela Krasteva-Christ (UdS Homburg), Sensory nerve-tuft cell crosstalk mediates tracheal antimicrobial defense
11:45 – 12:15 am	Mike Zhu (University of Texas Health Science Center, Houston), Decoding the sodium and calcium signals of TRPC4
12:15 – 12:45 pm	Bernd Fakler (University of Freiburg), The complexome of ion channels
12:45 – 01:45 pm	Lunch
	Session IV Structural and computational biology
02:00 pm	Chair:
02:00 – 02:30 pm	Arthur Neuberger (LMU), Structural pharmacology of TRPV6
02:30 – 03:00 pm	Ute Hellmich (Universität Jena) , It takes two to tango: lipid-dependent TRP channel regulation in health and disease
03:00 – 05:00 pm	Coffee break + Poster Session
05:00 – 05:30 pm	Christine Ziegler (University Regensburg) , Remodeling the TPC2 Selectivity Filter for Ca²⁺ Permeation by an NAADP mimicking agonist
05:30 – 06:00 pm	Thomas Schlichthärle (TUM) , AI-guided Protein Design to engineer growth factor mimetics
06:00 – 06:30 pm	Daniel Bollschweiler (MPI Munich) , Method talk: Strengths and Limitations of in-situ Structural Biology by Cryo-electron Tomography
06:30 – 07:30 pm	Dinner
08:00 pm	Chair:
08:00 pm	Evening talk: Thomas Voets (KU Leuven), Pharmacological targeting of TRPM3 for pain and neurological disorders
Afterwards	Good-bye Party