

<b>WEDNESDAY, MAY 16<sup>th</sup></b>	
20:00	Welcome/CHAIR: J. STRIESSNIG (INNSBRUCK)
20:15	<b>Opening Plenary</b> W. A. CATTERALL (SEATTLE) Calcium Channel Structure and Regulation <b>WELCOME PARTY</b>
21:15	<b>THURSDAY, MAY 17<sup>th</sup></b>
8:15	<b>Voltage-gated Ca<sup>2+</sup> Channels: Physiology and Disease</b> I. SCHULZ-HOFER (GERMAN ACAD. SCI.) Leopoldina welcome address CHAIR/Perpective: J. STRIESSNIG (INNSBRUCK)
8:20	A. DOLPHIN (UCL)
8:30	Trafficking of calcium channel $\alpha_2\delta$ subunits
9:15	B. LISS (ULM) Ion channels orchestrating function and fates of dopamine neurons: specific roles of L-type Ca <sup>2+</sup> channels?
9:45	A. RAJADHYAKSHA (CORNELL) L-type Ca <sup>2+</sup> channels and cocaine-induced behavioral and molecular plasticity
10:15	T. REINBOTHE (MALMÖ) The human L-type calcium channel Cav1.3 regulates insulin release and its expression is in turn regulated by glucose
10:30	<b>COFFEE BREAK</b>
11:05	CHAIR/Perpective: B. FLUCHER (INNSBRUCK)
11:15	P. TULUC (INNSBRUCK) A single amino acid residue determines Cav1.1 gating properties
11:45	T.W. SOONG (SINGAPORE) RNA editing and alternative splicing modulate Ca <sup>2+</sup> -dependent inactivation of Cav1.3 L-type channels
12:15	Y. MORI (KYOTO) Calcium entry channel protein complexes: Emerging roles and changing paradigms
13:00	<b>LUNCH</b> <b>AFTERNOON ACTIVITIES</b>
16:30	CHAIR/Perpective: E. CARBONE (TORINO)
16:55	M. MANGONI (MONTPELLIER) Physiopathological role of Cav1.3 Ca <sup>2+</sup> channels in heart automaticity
17:25	D. PIETROBON (PADOVA) Calcium channel dysfunction in migraine
17:55	P. LORY (MONTPELLIER) Involvement of T-type calcium channels in tonic seizures
18:15	S. CAIN (VANCOUVER) Sustained or suppressed: altered burst firing properties of two distinct thalamic nuclei in a rat absence epilepsy model
18:15	<b>DINNER</b>

<b>Technical workshop: Photoactivatable probes</b>	
20:00	CHAIR: G. ZAMPONI (Editor of CHANNELS, CALGARY)
20:10	P. HEGEMANN (BERLIN) Advanced optogenetics using novel channelrhodopsin variants
20:40	D. TRAUER (MUNICH) "Making blind ion channels see"
<b>Research Flash</b>	
21:15	CHAIR: A. KOSCHAK (VIENNA) F. MAYER (TÜBINGEN), G. C. DEMONTIS (PISA), R. SCHNEIDER (MAGDEBURG), M. CAMPIGLIO (INNSBRUCK)
21:45	<b>BEER &amp; CHIPS @ POSTERS</b>
<b>FRIDAY, MAY 18<sup>th</sup></b>	
<b>SYMPOSIUM IN HONOR OF FRANZ HOFMANN</b>	
8:30	CHAIRS/Perpectives: P. RUTH (TÜBINGEN); H. GLOSSMANN (INNSBRUCK)
8:40	N. DASCAL (TEL AVIV) Modulation of cardiac Cav1.2 by protein kinases A and C in a heterologous system: Mechanisms and uncertainties
9:25	F. HOFMANN (MUNICH) Regulation of the cardiac L-type calcium channel
9:55	P. LIPP (HOMBURG) The role of TRPC1/C4 for physiological calcium handling and contractility in cardiac myocytes
10:25	<b>COFFEE BREAK</b>
11:00	CHAIR/Perpectives: V. FLOCKERZI (HOMBURG)
11:10	K. AKTORIES (FREIBURG) Modification of cytoskeleton by bacterial toxins
11:40	J. BEAVO (SEATTLE) Phosphodiesterase regulation of cardiac and hormonal function
12:10	J.E. SCHULTZ (TÜBINGEN) Signaling by the TSR receptor: Identification of a signal processing unit in adenylyl cyclases
12:40	M. RONJAT (GRENOBLE) Cacnb4 directly couples electrical activity to gene expression, a process defective in juvenile epilepsy
13:00	<b>LUNCH</b>
14:30	<b>POSTER SESSION A</b>
16:15	<b>COFFEE BREAK</b>
16:30	<b>POSTER SESSION B</b>
18:15	<b>DINNER</b>
<b>Special workshop: Women in science (Alpbacherhof)</b>	
18:15	CHAIR: A. KOSCHAK (VIENNA); J. ENGEL (HOMBURG)

<b>Technical workshop: Cell- and gene-therapy</b>	
20:00	CHAIR/Perpectives: J. ENGEL (HOMBURG)
20:10	K. LAUGWITZ (MUNICH) Human disease modeling of channelopathies with iPSC technology
20:40	B. FLEISCHMANN (BONN) Stem cell-based modulation of heart function
<b>Research Flash</b>	
21:15	CHAIR: M. FREICHEL (HEIDELBERG) D. VANDAEL (TORINO), A. JURIK (MUNICH), J. M. FERNÁNDEZ (BARCELONA)
21:45	<b>BEER &amp; CHIPS @ POSTERS</b>
<b>SATURDAY, MAY 19<sup>th</sup></b>	
<b>TRP<sup>+</sup>, TPC- and other channels</b>	
8:30	CHAIR/Perpectives: K. GROSCHNER (GRAZ)
8:40	D. REN (PHILADELPHIA) The NALCN channel complex in neuronal excitability regulation
9:25	H. TAKESHIMA (KYOTO) TRIC channels are essential partners for Ca <sup>2+</sup> release
9:55	Y. KIRICHOK (UCSF) How Brown Fat Makes Heat: Mechanism of Thermogenic Proton Leak across the Mitochondrial Inner Membrane
10:25	<b>COFFEE BREAK</b>
11:00	CHAIR/Perpectives: A. LUDWIG (ERLANGEN)
11:10	T. GUDERMANN (MUNICH) TRPC channels in acute hypoxia, ischemia and reperfusion
11:40	M.A. VALVERDE (BARCELONA) Role of TRPV4 N-terminus in channel gating and cell shape
12:10	H.-S. SHIN (SEOUL) T-type Ca <sup>2+</sup> Channels, thalamic firing modes, and control of fear memory
13:00	<b>LUNCH</b> <b>AFTERNOON ACTIVITIES</b>
16:00	CHAIR/Perpectives: M. BIEL (MUNICH)
16:10	C. WAHL (MUNICH) Ca <sup>2+</sup> signaling via two pore channels
16:40	M.X. ZHU (HOUSTON) Endolysosomal functions of two-pore channels
17:10	C. ROMANIN (LINZ) The STIM/Orai coupling machinery
17:40	<b>DINNER</b>
19:30	<b>Closing Plenary/CHAIR: V. FLOCKERZI (HOMBURG)</b> B. NILIUS (LEUVEN) Tasty and healthy after dinner TRP(i)Ps Closing remarks by J. STRIESSNIG
20:45	<b>GOODBYE PARTY &amp; Champions League Football Final</b>