

27th Scientific Symposium of the Austrian Pharmacological Society (APHAR)**Vienna, 29–30 September 2023**

Center for Physiology and Pharmacology, Medical University of Vienna, Währingerstr 13A

Tentative Program Outline**FRIDAY, 29 September**

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13:00-16:30 Registration

14:00 General assembly Clinical

14:45 General assembly APHAR

15:45 Break

16:00 Meeting Opening (Thomas Stockner)16:10 Laudatio (Laudator: **Robert Salić** Dr. Anna Bucsics)16:20 Laudatio (Laudator: **Michael Frisch** Univ.-Prof. Dr Ernst Singer)**Session 1; Clinical Pharmacology (Chair Bernd Jilma)**

16:30 Viktoria Pai A novel approach for measurement of retinal oxygen extraction based on laser speckle flowgraphy and retinal oximetry

16:45 Theresa Lindner Effect of orally administered, low-dose dronabinol on ocular hemodynamics in healthy subjects

17:00 Vesna Mijatović Jovin Attitudes of patients with opioid use disorder towards synthetic cannabinoids

17:15 Igor Kelečević Suicidality and drug self-poisoning during the COVID-19 pandemic

17:30 Maria Sanz Codina Cefiderocol dose evaluation for the treatment of resistant Gram-negative skin and soft tissue infections

17:45 Coffee

Plenary 1 (Chair Zeitlinger)18:15 **Klaus Kratochwill AI in Drug Repurposing**

19:00 Posters

19:30 Guided Poster tour

20:15 Dinner

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SATURDAY, 30 September		
Session 2 (Chair Kubista Helmut)		Ion Channels
08:30	Klaus Groschner	Regulatory lipidation of TRPC channels – new insights into structure-function relations
08:50	Jessica Marksteiner	Role of tenascin C in electrical remodeling and impaired Ca ²⁺ handling in dystrophic cardiomyopathy
09:05	Elena Lilliu	Phasic store-operated calcium entry in skeletal muscle
09:20	Oleksandra Tiapko	PIP ₂ -dependent interaction between VSLD and pore domain potentiates TRPC3 gating
09:35	Wietske Tuinte	Dissecting the functions of multiple interactions of STAC3 in skeletal muscle excitation–contraction coupling
09:50	Isabella Derler	Photocrosslinking unnatural amino acids unveil Orai1-channel dynamics crucial for pore opening
10:10	Coffee	
Session 3 (Chain Sucic Sonja)		Transporters/Receptors/Neurons
10:30	Spetea Mariana	Selective activation of the κ-opioid receptor as an effective strategy for treatment of chronic pain
10:50	Julian Maier	Structural basis of organic cation transporter-3 inhibition
11:05	Erika Lazzarin	Refining the interaction of GAT1 with sodium ions: from efficient recruitment to stabilisation of substrate and conformation
11:20	Sivakumar Srinivasan	Role for VGLUT2 in dopamine neuron vulnerability and Parkinson's disease
11:35	Severin Mairinger	Impact of a moderate decrease in the abundance of P-glycoprotein at the blood–brain barrier on the brain distribution of model P-glycoprotein substrates
11:50	Peter Hasenhuetl	A neural code for sleep need
12:10	Lunch	
13:00	Plenary 2 (Chair Thomas Stockner)	
13:00	Avner Schlessinger	Structure-based Discovery of Conformation-Specific Small Molecule Modulators of SLC Transporters
13:45	Posters	
14:30	Guided Poster tour	
15:15	Coffee	
15:30	Plenary 3 (Chair Michael Freissmuth)	
15:30	Dimitros Stamou	Direct observation of GPCR drug intrinsic efficacy at the plasma membrane of live cells
16:15	Coffee	
Session 4 (Chair Stoiber-Sakaguchi Dagmar)		Signalling and Immunology
16:45	Susanna Zierler	TRPM7-kinase as regulator of immune system homeostasis
17:05	Jasmin Gattringer	Design of cyclic peptides to modulate T-lymphocyte migration
17:20	Sophie Edtmayer	Unraveling the tumor-suppressive role of STAT3β in acute myeloid leukemia
17:35	Stephanie Chambers	Neuronal pathomechanisms of anti-AMPA receptor autoimmune encephalitis
17:50	Benjamin Hackl	Dysregulated cardiac calcium handling in cancer-associated cachexia
18:05	Emilio Casanova	Lung Cancer and Inflammation
APHAR Awards (Chair Thomas Griesbacher)		
18:25	APHAR Hans Horst Meyer Award	
18:55	APHAR Heribert Konzett Award	
19:25	End of meeting	