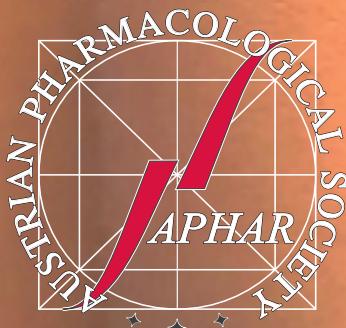


# APHAR 2023



## 27th Meeting of the Austrian Pharmacological Society

**29–30 September 2023**  
**Medical University of Vienna**  
**Center for Physiology and Pharmacology**

[www.aphar.at](http://www.aphar.at)



# APHAR 2023

## Programme

### General Information

Date: 29 – 30 September 2023

Location:

**Department of Pharmacology**

Medical University of Vienna

Währinger Straße 13a, 1090 Vienna



Nearest tram stops:  
**Schwarzspanierstraße (Bus 37, 40, 41, 42)**

Registration:

Please pay your registration fee at the meeting registration desk.

Registration fees:

**Member rate<sup>1)</sup>:** 50 €<sup>1)</sup>

**Non-member rate:** 85 €

**Student rate<sup>\*)</sup>:** 25 €<sup>\*)</sup>

<sup>1)</sup>Members of the Austrian Pharmacological Society

<sup>\*)</sup>Reduced registration fees for students only upon presentation of the student confirmation form (<http://www.aphar.at/2023/student2023.docx>)

Participation is free of charge for APHAR Honorary members and invited plenary speakers.

Opening hours for Travel Grants and DFP attendance lists:

Fri 29 Sept: 13:00–14:00; 15:45; 19:00–19:30

Sat 30 Sept: 08:00–08:30; 12:10–13:00; 13:45–14:30

CME credits:

The event is registered with the Austrian Medical Chamber with **18 CME credits (DFP Diplomfortbildungspunkte)** (ID: [783929](#)).

Members of the Austrian Medical Association please bring your doctor's ID and enter your ID number into the attendance lists each day at the registration desk. The organisers will credit the points into your DFP account after the meeting.



Presentations:

All presentations shall be given in **English**.

**Short oral communications:**

The presentation should be **10 minutes**, followed by a **5 min** discussion.

The lecture room is equipped for presentations with PowerPoint (PC format). Speakers may upload their presentation to the computer in the lecture hall using a USB stick. A laptop can only be connected using a VGA connection. A USB-C→VGA adapter is available. However, HDMI or display port connections are *not* possible, unfortunately.

**Poster presentations:**

Posters shall be mounted on the first day of the meeting prior to the start of the program and should be left on display for both days of the meeting. Poster dimensions: max. **A0 portrait format** (height: 119 cm; width: 84 cm).

Presenting authors must attend their posters during the designated poster session. **Guided poster tours** will take place during these sessions as indicated in the program. Authors should present their work in **3–5 min** (maximum) to allow time for discussion.

Abstracts:

Published abstracts will appear in **Intrinsic Activity**, 2023; 11(Suppl.12)  
<http://www.intrinsicactivity.org/2023/11/S1> (doi:[10.25006/IA.11.S1](#))



(Publications date: 22 September 2023)

Social Program:

The **APHAR Dinner** will take place on Friday, 29 September, at 20:15 hrs

Location: **Café Stein**, Währinger Straße 6–8, 1090 Wien (see map on page 9)

Participation is free of charge for registered participants; extra tickets can be purchased at the registration desk.

Contact:

E-mail for enquiries concerning the meeting: [thomas.stockner@meduniwien.ac.at](mailto:thomas.stockner@meduniwien.ac.at) or [eva-maria.zebedin@meduniwien.ac.at](mailto:eva-maria.zebedin@meduniwien.ac.at)

E-Mail for enquiries concerning abstract publication: [thomas.griesbacher@medunigraz.at](mailto:thomas.griesbacher@medunigraz.at)

# APHAR 2023

Fri 29 Sept

13:00	<i>Registration</i>
14:00	<b><u>Assembly of the Section of Clinical Pharmacology</u></b> (Members of the Section only)
14:45	<b><u>General Assembly of APHAR</u></b> (Members of APHAR only)
15:45	<i>Break</i>
16:00	<b>Opening of the meeting:</b> Thomas STOCKNER (Vienna)
	<b>Verleihung von Ehrenmitgliedschaften der APHAR:</b>
16:10	<b>Laudatio for Dr. Anna BUCSICS</b> Laudator: Robert SAUERMANN)
16:20	<b>Laudatio for Univ.-Prof. Dr. Ernst SINGER</b> Laudator: Michael FREISSLUTH)
	<b>Oral Communications – Session 1 (Clinical Pharmacology) Chair: Bernd JILMA (Vienna)</b>
16:30 <a href="#">A1.1</a>	<b>A novel approach for measurement of retinal oxygen extraction based on laser speckle flowgraphy and retinal oximetry.</b> Viktoria PAI, Patrick JANKU, Theresa LINDNER, Liudmyla PYLYPENKO, Anton HOMMER, Leopold SCHMETTERER, Gerhard GARHÖFER, Doreen SCHMIDL (Vienna, Singapore, Basel)
16:45 <a href="#">A1.2</a>	<b>Effect of orally administered, low-dose dronabinol on ocular hemodynamics in healthy subjects.</b> Theresa LINDNER, Nikolaus HOMMER, Martin KALLAB, Stephan SZEGEDI, Stefan PUCHNER, Kristina STJEPANEK, Martin BAUER, René M. WERKMEISTER, Leopold SCHMETTERER, Marihan ABENSPERG-TRAUN, Gerhard GARHÖFER, Doreen SCHMIDL (Vienna, Singapore, Basel)
17:00 <a href="#">A1.3</a>	<b>Attitudes of patients with opioid use disorder towards synthetic cannabinoids.</b> Vesna MIJATOVIĆ JOVIN, Ana TOMAS PETROVIĆ, Isidora DICKOV, Dragana RATKOVIĆ, Ana MILJKOVIĆ, Aleksandra DICKOV (Novi Sad)
17:15 <a href="#">A1.4</a>	<b>Suicidality and drug self-poisoning during the COVID-19 pandemic.</b> Igor KELEČEVIĆ, Ana Marija VEINNOVIĆ, Vesna MIJATOVIĆ JOVIN (Novi Sad)
17:30 N	<b>Cefiderocol dose evaluation for the treatment of resistant Gram-negative skin and soft tissue infections.</b> Maria SANZ CODINA, Anselm JORDA, Michael WÖLFL-DUCHEK, Felix BERGMANN, Edith LACKNER, Martin BAUER, Christoph DORN, Markus ZEITLINGER, Valentin AL JALALI (Vienna, Regensburg)
17:45	<i>Coffee Break</i>
	<b>Plenary Lecture 1 Chair: Markus ZEITLINGER (Vienna)</b>
18:15	<b>Klaus KRATOCHWILL (Vienna):</b> <a href="#">AI in Drug Repurposing</a>
19:00	<b>Poster Presentations: Poster Session 1 (see next page)</b> <a href="#">Guided Poster Tour starts at 19:30</a>
20:15	<b>APHAR Dinner</b> (for registered participants and extra tickets) Location: <b>Café Stein</b> , Währinger Straße 6–8 (about 400 m from the meeting venue; see map on page 9)

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# APHAR 2023

Fri 29 Sept

19:00–20:15	<b>Poster Presentations: Poster Session 1</b> <i>Guided Poster Tour starts at 19:30</i>
Board 1 N	<b>Adverse consequences of intracellular succinate accumulation in human endothelial cells.</b> Reham ATALLAH, Wolfgang PLATZER, Jürgen GINDLHUBER, Ákos HEINEMANN (Graz)
Board 2 N	<b>Steady-state pharmacokinetics of clomipramine, yohimbine and a clomipramine/yohimbine combination: a clinical drug–drug interaction study.</b> Amelie BLASCHKE, Valentin AL JALALI, Markus Zeitlinger (Vienna)
Board 3 <a href="#">A2.1</a>	<b>Exploring simvastatin bioaccumulation and biotransformation in probiotic bacteria for enhanced insight into drug–microbiota interactions.</b> Maja ĐANIĆ, Nebojša PAVLOVIĆ, Slavica LAZAREVIĆ, Bojan STANIMIROV, Saša VUKMIROVIĆ, Hani AL-SALAMI, Armin MOORANIAN, Momir MIKOV (Novi Sad, Bently, Nedlands)
Board 4 N	<b>Effects of environmental enrichment on microbial community composition and behaviour in mice.</b> Isabella FAIMANN, Eva TATZL, Christine MOISSL-EICHINGER, Florian REICHMANN (Graz)
Board 5 <a href="#">A2.2</a>	<b>Dahi-derived probiotic Enterococcus munditii QAUEM2808 ameliorates stress-induced depression-like behaviour and tryptophan metabolism.</b> Aitak FARZI, Misbah TUBASSAM, Laura SCHMIDT, Peter HOLZER, Muhammad IMRAN (Graz, Islamabad)
Board 6 N	<b>Cell-autonomous effects of <math>\alpha</math>-synuclein in select neuronal populations.</b> Sofia Inés GARCÍA MORENO, Ségolène LA BATIDE-ALANORE, Sivakumar SRINIVASAN, Thomas STEINKELLNER (Ljubljana)
Board 7 <a href="#">A2.3</a>	<b>The effect of intranasal neuropeptide Y on high-fat diet-induced anhedonia.</b> Maike L. HAAG, Ahmed HASSAN, Eva TATZL, Florian REICHMANN, Peter HOLZER, Aitak FARZI (Graz)
Board 8 <a href="#">A2.4</a>	<b>A prospective, randomized, double-blind, placebo-controlled trial to investigate the effects of dextroamphetamine or zolpidem on attention and reaction time in healthy males.</b> Veronika HELBICH-POSCHACHER, Carola FUCHS, Claudia EDER, Michaela BAYERLE-EDER, Stefan WEISSHAAR, Michael WOLZT (Vienna)
Board 9 <a href="#">A2.5</a>	<b>Neuronal activation patterns following interoceptive stimulation: role of high trait anxiety.</b> Nino KOBAKHIDZE, Simone B. SARTORI, Arnau RAMOS-PRATS, Claudia SCHMUCKERMAIR, Paweł M. MATULEWICZ, Sarah GORKIEWICZ, Gaia NOVARINO, Francesco FERRAGUTI, Nicolas SINGEWALD (Innsbruck, Klosterneuburg)
Board 10 N	<b>Transmitter co-release in neuropsychiatric diseases.</b> Ségolène LA BATIDE-ALANORE, Thomas STEINKELLNER (Vienna)
Board 11 <a href="#">A2.6</a>	<b>The influence of antacids on the permeability of gliclazide – PAMPA model of the gastrointestinal mucosa.</b> Slavica LAZAREVIĆ, Nebojša PAVLOVIĆ, Dragana ZAKLAN, Maja ĐANIĆ, Bojan STANIMIROV, Srđan KOSIJER, Momir MIKOV (Novi Sad)
Board 12 <a href="#">A2.7</a>	<b>Influence of carob extract on body mass and markers of adipose tissue function in rats.</b> Nikola MARTIĆ, Aleksandar RAŠKOVIĆ, Nebojša STILINović, Ana TOMAS PETROVIĆ, Bojana ANDREJIĆ-VIŠNIJiĆ, Milana BOSANAC, Jana ZAHOREC, Branimir PAVLIĆ, Dragana ŠORONJA-SIMOVIĆ, Zita ŠEREŠ (Novi Sad)
Board 13 <a href="#">A2.8</a>	<b>Drug consumption in the treatment of obstructive lung diseases in the Republic of Serbia in the period from 2011 to 2020.</b> Boris MILIJAŠEVIĆ, David ČUKANOVIĆ, Nikola MARTIĆ, Nataša TOMIĆ, Dragana MILIJAŠEVIĆ, Radmila POPOVIĆ, Zdenko TOMIĆ (Novi Sad)
Board 14 <a href="#">A2.9</a>	<b>Consumption of drugs in the therapy of hypothyroidism in the Republic of Serbia in the period from 2009 to 2020.</b> Boris MILIJAŠEVIĆ, Hristina RISTOVIĆ, Nikola MARTIĆ, Saša VUKMIROVIĆ, Dragana MILIJAŠEVIĆ, Zdenko TOMIĆ (Novi Sad)
Board 15 <a href="#">A2.10</a>	<b>The pathogenic, autism-linked de novo variant A749G in CaV1.3 Ca2+ channels affects neuronal morphology <i>in vitro</i> and <i>in vivo</i>.</b> Yuliia V. NIKONISHYNA, Cornelia ABLINGER, Sabrin HADDAD, Nadja T. HOFER, Marta CAMPIGLIO, Eva M. FRITZ, Nadine J. ORTNER, Stefanie M. GEISLER, Jörg STRIESSNIG, Gerald J. OBERMAIR (Innsbruck, Krems an der Donau)
Board 16 N	<b>Synergistic effects of cerebrolysin and enriched environment on memory impairment and anxiety symptoms in posttraumatic stress disorder.</b> Amir PASOKH, Javad MAHMOUDI, Saeed SADIGH-ETEGHAD, Leila HOSSEINI, Marietta ZILLE (Vienna, Tabriz)
Board 17 N	<b>Effects of environment and sex on behaviour and peripheral inflammation in a mouse model of ulcerative colitis exposed to environmental enrichment.</b> Giulia PETRACCO, Eva TATZL, Florian REICHMANN (Graz)
Board 18 <a href="#">A2.11</a>	<b>Protection of intellectual property of drugs – Impact on the dispensing of antidiabetics in Serbia.</b> Dušan PRODANOVIĆ, Vasiljka HRNEZ, Ana TOMAS PETROVIĆ, Nikola MARTIĆ, Slavica LAZAREVIĆ, Marija STOJILKOVIĆ, Olga HORVAT, Aleksandar RAŠKOVIĆ (Novi Sad)
Board 19 N	<b>Succinate aggravates pulmonary fibrosis through the succinate/SUCNR1 axis.</b> Rishi RAJESH, Reham ATALLAH, Ilse LANZ, Wolfgang PLATZER, Stefano ANGIARI, Leigh MARSH, Thomas BÄRNTHALER, Ákos HEINEMANN (Graz)
Board 20 <a href="#">A2.12</a>	<b>Microglia profiling in a model of high trait anxiety.</b> Simone B. SARTORI, Mohammad EBRAHIMI DARAN, Michael LANGESLAG, Maria KHARITONOVA, Bilge UGURSU, Susanne A. WOLF, Anupam SAH, Nicolas SINGEWALD (Innsbruck, Berlin)

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# APHAR 2023

Fri 29 Sept

19:00–20:15	<b>Poster Presentations: Poster Session 1</b> <u>Guided Poster Tour starts at 19:30</u>
Board 21 <a href="#">A2.13</a>	<b>Novel oxymorphone analogues, as bifunctional <math>\mu/\delta</math> opioid receptor agonists, produce antinociception in mice without the risks of antinociceptive tolerance and physical dependence.</b> Helmut SCHMIDHAMMER, Maria GUASTADISEGNI, Veronika ERNST, Dominik PIRCHER, Barbara BRUNNER, Mariana SPETEA (Innsbruck)
Board 22 <a href="#">A2.14</a>	<b>The role of a basement membrane fragment on neutrophil function.</b> Juliana SCHWANZER, Grażyna KWAPISZEWSKA, Ákos HEINEMANN, Katharina JANDL (Graz, Giessen)
Board 23 <a href="#">A2.15</a>	<b>Blood–brain barrier – Peptide shuttles for drug delivery into the CNS.</b> Paula SCHWARZ, Kirtikumar B. JADHAV, Christian W. GRUBER, Roland HELLINGER (Vienna)
Board 24 <a href="#">A2.16</a>	<b>Anti-obesity effects of bile acids.</b> Bojan STANIMIROV, Maja ĐANIĆ, Nebojša PAVLOVIĆ, Slavica LAZAREVIĆ, Marko DEVIĆ, Momir MIKOV, Karmen STANKOV (Novi Sad)
Board 25 N	<b>Substance P and the central amygdala in models of alcohol use disorder: regulation of synaptic transmission and its interaction with acute alcohol.</b> Christoph WINKLER, Sabina SALKIC, Sophia KHOM (Vienna)
Board 26 <a href="#">A2.17</a>	<b>Bile acids alter clindamycin permeation through the skin: <i>in vitro</i> permeability study.</b> Dragana ZAKLAN, Dušan Nešić, Darko MITROVIĆ, Dušan PRODANOVIĆ, Slavica LAZAREVIĆ, Bojan STANIMIROV, Maja ĐANIĆ, Nebojša PAVLOVIĆ (Novi Sad)
Board 27 N	<b>Cerebral consequences of hypertension and Nemo deletion in brain endothelial cells in mice.</b> Marietta ZILLE, Sarah GRABNER, Floradel BÜRGEL, Frederike HEIDEN, Katja GRAU, Markus SCHWANINGER (Vienna, Lübeck)
Board 28 N	<b>Diamine-oxidase knockout mice are not hypersensitive to administered histamine and IgE-mediated anaphylaxis.</b> Matthias WEISS-TESSBACH, Marlene RAGER-RESCH, Felix KOSTA, Elisabeth GLUDOVACZ, Thomas BOEHM, Bernd JILMA (Vienna)
Board 29 N	<b>Recombinant human diamine oxidase prevents haemodynamic effects of continuous histamine infusion in guinea pigs.</b> Felix KOSTA, Matthias WEISS-TESSBACH, Birgit REITER, Elisabeth GLUDOVACZ, Thomas BOEHM, Bernd JILMA, Marlene RAGER-RESCH (Vienna)

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# APHAR 2023

Sat 30 Sept

## Oral Communications – Session 2 (Ion Channels) Chair: Helmut KUBISTA (Vienna)

08:30	Klaus GROSCHNER (Graz) <b>Regulatory lipidation of TRPC channels – new insights into structure-function relations.</b>
08:50 N	<b>Role of tenascin C in electrical remodeling and impaired Ca<sup>2+</sup> handling in dystrophic cardiomyopathy.</b> Jessica MARKSTEINER, Jakob SAUER, Xaver KÖNIG, Christopher DOSTAL, Bruno K. PODESSER, Attila Kiss, Karlheinz HILBER (Vienna)
09:05 N	<b>Phasic store-operated calcium entry in skeletal muscle.</b> Elena LILLIU, Karlheinz HILBER, Manfred GRABNER, Anamika DAYAL, Maud FRIEDEN, Stéphane KONIG, Bradley LAUNIKONIS, Xaver KÖNIG (Vienna)
09:20 N	<b>PIP<sub>2</sub>-dependent interaction between VSLD and pore domain potentiates TRPC3 gating.</b> Oleksandra TIAPKO, Amy CLARKE, Julia SKERJANZ, Thomas STOCKNER, Klaus GROSCHNER (Graz, Vienna)
09:35 <u>A1.5</u>	<b>Dissecting the functions of multiple interactions of STAC3 in skeletal muscle excitation–contraction coupling.</b> Wietske E. TUNTE, Petronel TULUC, Marta CAMPIGLIO (Innsbruck)
09:50	Isabella DERLER (Graz) <b>Photocrosslinking unnatural amino acids unveil Orai1 channel dynamics crucial for pore opening</b>

10:20 Coffee Break

## Oral Communications – Session 3 (Transporters / Receptors / Neurons) Chair: Sonja Sucic (Vienna)

10:30 <u>A1.6</u>	Mariana SPETEA, Aina-Leonor OLIVÉ-MARTI, Alexandra PEER, Edin MURATSPAHIĆ, Christian W. GRUBER, Helmut SCHMIDHAMMER (Innsbruck) <b>Selective activation of the κ-opioid receptor as an effective strategy for treatment of chronic pain.</b>
10:50 N	<b>Structural basis of organic cation transporter-3 inhibition.</b> Julian MAIER, Basavraj KHANPPNAVAR, Freya HERBORG, Ralph GRADISCH, Erika LAZZARIN, Dino LUETHI, Jea-Won YANG, Chao Qi, Marion HOLY, Katrin JÄNTSCH, Oliver KUDLACEK, Klaus SCHICKER, Thomas WERGE, Ulrik GETHER, Thomas STOCKNER, Volodymyr M. KORKHOV, Harald H. SITTE (Villingen, Zurich, Vienna, Copenhagen, Aarhus)
11:05 N	<b>Refining the interaction of GAT1 with sodium ions: from efficient recruitment to stabilisation of substrate and conformation.</b> Erika LAZZARIN, Ralph GRADISCH, Sophie M. C. SKOPEC, Letícia ALVES DA SILVA, Dániel SZÖLLÖSI, Sonja SUCIC, Harald H. SITTE, Thomas STOCKNER (Vienna, Göttingen)
11:20 N	<b>Role for VGLUT2 in dopamine neuron vulnerability and Parkinson's disease.</b> Sivakumar SRINIVASAN, Ségolène LA BATIDE-ALANORE, Sofía Inés GARCÍA MORENO, Ellen GELPI-MANTIUS, Thomas HNASKO, Thomas STEINKELLNER (Vienna, San Diego)
11:35 <u>A1.7</u>	<b>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.</b> Severin MAIRINGER, Sarah LETERRIER, Thomas FILIP, Mathilde LÖBSCH, Jens PAHNKE, Nicolas TOURNIER, Markus ZEITLINGER, Marcus HACKER, Thomas WANEK, Oliver LANGER (Vienna, Paris, Oslo)
11:50	Peter HASENHUELT, Raffaele SARNATARO, H. Olof RORSMAN, Clifford B. TALBOT, Eleftheria VRONTOU, Gero MIESENBÖCK (Oxford, UK) <b>A neural code for sleep need.</b>

12:10 Lunch Break

Program continues on next page

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# APHAR 2023

Sat 30 Sept

**Plenary Lecture 2** Chair: Thomas STOCKNER (Vienna)

Coffee Break

**13:00** Avner SCHLESSINGER (New York):  
**Structure-based Discovery of Conformation-Specific Small Molecule Modulators of SLC Transporters**

**13:45** **Poster Presentations: Poster Session 2 (see page 7)**  
Guided Poster Tour starts at 14:30

**15:15** **Coffee Break**

**Plenary Lecture 3** Chair: Michael FREISSMUTH (Vienna)

**15:30** Dimitros STAMOU (Copenhagen):  
**Direct observation of GPCR drug intrinsic efficacy at the plasma membrane of live cells**

**16:15** **Coffee Break**

**Oral Communications – Session 4 (Signalling and Immunology)** Chair: Dagmar STOIBER-SAKAGUCHI (Krems an der Donau)

**16:45** Susanna ZIERLER (Linz)  
**TRPM7-kinase as regulator of immune system homesostasis.**

**17:05** Design of cyclic peptides to modulate T-lymphocyte migration.  
N Jasmin GATTRINGER, Kirtikumar B. JADHAV, Christian W. GRUBER, Roland HELLINGER (Vienna)

**17:20** Unraveling the tumor-suppressive role of STAT3 $\beta$  in acute myeloid leukemia.  
A1.8 Sophie EDTMAYER, Agnieszka WITALISZ-SIEPRACKA, Bernhard ZDÁRSKY, Kerstin FIEDLER, Stefanie WEISS, Thomas EDER, Balázs GYÖRFFY, Valeria POLI, Sayantanee DUTTA, Heinz SILL, Florian GREBIEN, Dagmar STOIBER-SAKAGUCHI (Krems an der Dnau, Vienna, Torino, Graz)

**17:35** A1.9 Neuronal pathomechanisms of anti-AMPA receptor autoimmune encephalitis.  
Stefanie CHAMBERS, Anja OGRIS, Katrin MEßNER, Stefanie MAIERHOFER, Vanessa GÖSCHL, Matej HOTKA, Stefan BOEHM, Gerda RICKEN, Carmen HAIDER, Romana HÖFTBERGER, Helmut KUBISTA (Vienna)

**17:50** N Dysregulated cardiac calcium handling in cancer-associated cachexia.  
Benjamin HACKL, Elena LILLIU, Christopher DOSTAL, Latifa BAKIRI, Eva ZABRODSKA, Eva M. PUTZ, Erwin F. WAGNER, Bruno PODESSER, Attila Kiss, Xaver KÖNIG (Vienna, Prague)

**18:05** Emilio CASANOVA (Vienna)  
**Lung Cancer and Inflammation.**

**APHAR Awards** Chair: Thomas GRIESBACHER (Graz)

**18:25** Hans Horst Meyer Award  
The Heribert Konzett award is sponsored by 

**18:55** Heribert Konzett Award  
The Heribert Konzett award is sponsored by 

**19:25** End of the meeting

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# APHAR 2023

Sat 30 Sept

13:34–15:15	<b>Poster Presentations: Poster Session 2</b> <i>Guided Poster Tour starts at 14:30</i>
Board 30 N	<b>Antifibrotic effects of sobetirome, a thyroid hormone receptor-β agonist.</b> Thomas BÄRNTHALER, Shuizi DING, Maurizio CHIOTTI, Fernando POLI DE FRÍAS, Kady-Ann ROSE, Carlos COSME Jr., Taylor ADAMS, Aurelien JUSTET, Farida AHANGARI, Ivan O. ROSAS, Naftali KAMINSKI (New Haven, Graz, Houston)
Board 31 <a href="#">A2.18</a>	<b>Characterising the ‘hold-and-pull’ mechanism of the creatine transporter (CRT1) occlusion through an <i>in silico</i> approach.</b> Amy CLARKE, Clemens V. FARR, Ali EL-KASABY, Dániel SZÖLLÖSI, Michael FREISSMUTH, Sonja SUCIC, Thomas STOCKNER (Vienna, Göttingen)
Board 32 N	<b>TRPC3 governs the spatiotemporal organization of cellular Ca<sup>2+</sup> signatures by functional coupling to IP<sub>3</sub> receptors at endoplasmic reticulum–plasma membrane junctions.</b> Sanja ĆURČIĆ, Hazel ERKAN-CANDAG, Johannes PILIC, Roland MALLI, Patrick WIEDNER, Oleksandra TIAPKO, Klaus GROSCHNER (Graz)
Board 33 N	<b>Genetic deletion of stac2 adaptor protein alters electrical activity of mouse chromaffin cells.</b> Stefanie M. GEISLER, Tamara THEINER, Noelia JACOBO PIQUERAS, Marta CAMPIGLIO, Petronel TULUC (Innsbruck)
Board 34 <a href="#">A2.19</a>	<b>Artificial intelligence in automated image analysis for drug screening.</b> Jürgen GINDLHUBER, Reham ATALLAH, Ákos HEINEMANN, Elena OSTO (Graz)
Board 35 <a href="#">A2.20</a>	<b>The role of glutamate metabolism in neuronal excitotoxicity.</b> Vanessa GÖSCHL, Matej HOTKA, Stefan BOEHM, Andrey V. KOZLOV, Helmut KUBISTA (Vienna)
Board 36 N	<b>The coupling mechanism between ligands and the human serotonin transporter differentiates substrates from inhibitors.</b> Ralph GRADISCH, Katharina SCHLÖGL, Erika LAZZARIN, Marco NIELLO, Julian MAIER, Felix P. MAYER, Letícia ALVES DA SILVA, Sophie M. C. SKOPEC, Randy D. BLAKELY, Harald H. SITTE, Marko D. MIHOVILOVIC, Thomas STOCKNER (Vienna, Genova, Jupiter, Copenhagen)
Board 37 N	<b>Multicolor flow cytometric determination of immune-cell composition and activation in eosinophilic esophagitis.</b> Eva GRUDEN, Melanie KIENZL, Sophie Theresa SCHMID, Arailym SARSEMBAYEVA, Dušica RISTIĆ, Oliver KINDLER, Julia KARGL, Alfred DOYLE, Franziska BAUMANN-DURCHSCHEIN, Julia KONRAD, Andreas BLESI, Hansjörg SCHLAGER, Rudolf SCHICHO (Graz, Scottsdale)
Board 38 <a href="#">A2.21</a>	<b>Uncovering new NK-cell checkpoints in the context of triple-negative breast cancer.</b> Theresa HARM, Dagmar GOTTHARDT, Sonia VALLET, Dagmar STOIBER-SAKAGUCHI, Agnieszka WITALISZ-SIEPRACKA (Krems an der Donau, Vienna)
Board 39 N	<b>Multiplexed encoding of sensory, motor, and cognitive variables in a decision-making centre.</b> Peter S. HASENHUELT, Clifford B. TALBOT, Gero MIESENBÖCK (Oxford)
Board 40 N	<b>Exploring the interaction of GPCRs and β-arrestins using an ancient oxytocin-like signalling system.</b> Simon HASINGER, Christian W. GRUBER (Vienna)
Board 41 <a href="#">A2.22</a>	<b>TRPM7 ion channel and kinase drives AKT signaling and immune-cell activation.</b> Birgit HOEGER, Anna MADLMAYR, Kilian HÖLTING, Wiebke NADOLNI, Dorothea LEWITZ, Tanja HAIDER, Sarah HAMPE, Marco FRATICELLI, Vladimir CHUBANOV, Markus SPERANDIO, Ingrid BOEKHOFF, Thomas GUDERMANN, Susanna ZIERLER (Linz, München)
Board 42 N	<b>Molecular mechanism responsible for sex differences in pancreatic β-cell insulin release.</b> Noelia JACOBO PIQUERAS, Tamara THEINER, Stefanie M. GEISLER, Petronel TULUC (Innsbruck)
Board 43 N	<b>Identification and characterization of novel oxytocin-like peptides.</b> Nikolaus KIESENHOFER, Bernhard RETZL, Monika PERISIC, Markus MUTTENTHALER, Christian W. GRUBER (Vienna)
Board 44 <a href="#">A2.23</a>	<b>Aqueous extracts from tobacco cigarette smoke reversibly inhibit isolated soluble guanylyl cyclase <i>in vitro</i>.</b> Alexander KOLLAU, Michael RUSSWURM, Doris KOESLING, Astrid SCHRAMMEL, Bernd MAYER (Graz, Bochum)
Board 45 N	<b>Functional characterisation of TRPM7 in human T cells utilizing a TRPM7 knockout cell line.</b> Anna MADLMAYR, Kilian HÖLTING, Birgit HOEGER, Wiebke NADOLNI, Marco FRATICELLI, Tanja HAIDER, Susanna ZIERLER (Linz, München)
Board 46 <a href="#">A2.24</a>	<b>The role of JAK-STAT signaling in neutrophilic airway inflammation.</b> Barsha Baisakhi NAYAK, Iris RED, Julia TEPPAN, Juliana SCHWANZER, Ilse LANZ, Melanie KIENZL, Philipp DOUSCHAN, Ákos HEINEMANN, Eva BÖHM (Graz)
Board 47 <a href="#">A2.25</a>	<b><i>In silico</i> analysis of molecular descriptors for quercetin analogues: a way to improve blood–brain barrier permeation.</b> Darko MITROVIĆ, Dragana ZAKLAN, Maja ĐANIĆ, Bojan STANIMIROV, Slavica LAZAREVIĆ, Karmen STANKOV, Nebojša PAVLOVIĆ (Novi Sad)
Board 48 <a href="#">A2.26</a>	<b>Synthetic HDL nanodiscs as a drug candidate in pulmonary inflammation.</b> Alankrita RANI, Denys BALADIN, Julia TEPPAN, Melanie KIENZL, Thomas BÄRNTHALER, Ilse LANZ, Julia STADLER, Eva BÖHM, Ruth PRASSL, Gunther MARSCHE (Graz)
Board 49 N	<b>GPR55 in pancreatic cancer: an immunomodulatory role.</b> Dušica RISTIĆ, Eva GRUDEN, Melanie KIENZL, Arailym SARSEMBAYEVA, Julia KARGL, Rudolf SCHICHO (Graz)

\* abstracts numbered A are published in [Intrinsic Activity, 2023; 11 \(Suppl. 1\) \(doi.org/10.25006/IA.11.S1\)](#); abstracts denoted N are unpublished.

# APHAR 2023

Sat 30 Sept

13:34–15:15	<b>Poster Presentations: Poster Session 2</b> <i>Guided Poster Tour starts at 14:30</i>
Board 50 N	<b>Ivabradine acutely improves cardiac calcium handling and function in a rat model of Duchenne muscular dystrophy.</b> Petra L. SZABO, Jessica MARKSTEINER, Janine EBNER, Christopher DOSTAL, Bruno K. PODESSER, Jakob SAUER, Helmut KUBISTA, Hannes TODT, Benjamin HACKL, Xaver KÖNIG, Attila Kiss, Karlheinz HILBER (Vienna)
Board 51 N	<b>Pharmacological characterization of novel peptide ligands of the κ-opioid receptor.</b> Florian SELBITSCHKA, Nataša TOMAŠEVIĆ, Christian W. GRUBER (Vienna)
Board 52 <a href="#">A2.27</a>	<b>How do missense mutations of a highly conserved glycine residue in the human GABA transporter 1 trigger epilepsy?.</b> Nikita SHAH, Ameya KASTURE, Thomas HUMMEL, Sonja SUCIC (Vienna)
Board 53 <a href="#">A2.28</a>	<b>TRPC1 impact on calcium release mechanisms from the endoplasmic reticulum via interactions with inositol trisphosphate receptors.</b> Julia SKERJANZ, Patrick WIEDNER, Klaus GROSCHNER, Oleksandra TIAPKO (Graz)
Board 54 <a href="#">A2.29</a>	<b>Exploring the impact of STAT3-targeting on NK-cell-mediated killing in acute myeloid leukemia.</b> Clio-Melina SPERL, Bernhard ZDÁRSKY, Theresa HARM, Agnieszka WITALISZ-SIEPRACKA, Dagmar STOIBER-SAKAGUCHI (Krems an der Donau)
Board 55 <a href="#">A2.30</a>	<b>Pharmacological inhibition of endolysosomal Ca<sup>2+</sup> channels in immune cells and related (ultra)structural and physiological implications.</b> Philip STEINER, Ancuela ANDOSCH, Matin KAZEMI, Karoline KERN, Anna MADLMAYR, Karin OBERASCHER, Thomas GÜDERMANN, Ingrid BOEKHOFF, Franz BRACHER, Marco KELLER, Christian GRIMM, Hubert KERSCHBAUM, Susanna ZIERLER (Linz, München)
Board 56 N	<b>Exploring ligand-dependent β-arrestin recruitment across a cannabinoid type 2 receptor/k-opioid receptor heterodimer.</b> Nataša TOMAŠEVIĆ, Andrea KLIEWER, Christian W. GRUBER (Vienna, Jena)
Board 57 <a href="#">A2.31</a>	<b>ERC1 increases membrane and functional expression of the voltage sensor of excitation–contraction-coupling Cav1.1.</b> Enikő TÖRÖK, Wietske E. TUNTE, Marta CAMPILIO (Innsbruck)
Board 58 <a href="#">A2.32</a>	<b>Mutation-induced changes in channel gating parameters increase sensitivity of pathogenic Cav1.3 L-type Ca<sup>2+</sup> channel variants towards the Ca<sup>2+</sup> channel blocker isradipine.</b> Ferenc TÖRÖK, Nadine J. ORTNER, Jörg STRIESSNIG (Innsbruck)
Board 59 N	<b>Targeting CDK6-regulated tumor growth in EGFR-mutated lung cancer.</b> Marija TRKULJA, Herwig MOLL, Emilio CASANOVA, Iris Uras JODL (Vienna)
Board 60 <a href="#">A2.33</a>	<b>The balance between STAT3 isoforms as essential feature in acute myeloid leukemia.</b> Stefanie WEISS, Anja HOLZER, Sophie EDTMAYER, Kerstin FIEDLER, Bernhard ZDÁRSKY, Agnieszka WITALISZ-SIEPRACKA, Dagmar STOIBER-SAKAGUCHI (Krems an der Donau)
Board 61 N	<b>Are scclareol and cinnarizine selective inhibitors of Cav1.3 L-type Ca<sup>2+</sup> channels?.</b> Lucia ZANETTI, Ferenc TÖRÖK, Morris J. BROWN, Jörg STRIESSNIG (Innsbruck, London)
Board 62 <a href="#">A2.34</a>	<b>Electrophysiological characterization of cardiac organoids.</b> Michael A. NETZER, Alison DEYETT, Clara SCHMIDT, Simon HAENDELER, Lokesh PIMPAL, Sasha MENDJAN, Steffen HERING (Vienna)

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# APHAR 2023

## SOCIAL PROGRAM

Fri 29 Sept APHAR Dinner

20:15 APHAR Dinner

Location: "**Café Stein**"

Währinger Straße 6–8

(about 400 m from the meeting venue)

*Participation is free of charge for registered participants.  
Additional tickets can be purchased at the registration desk.*

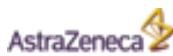


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