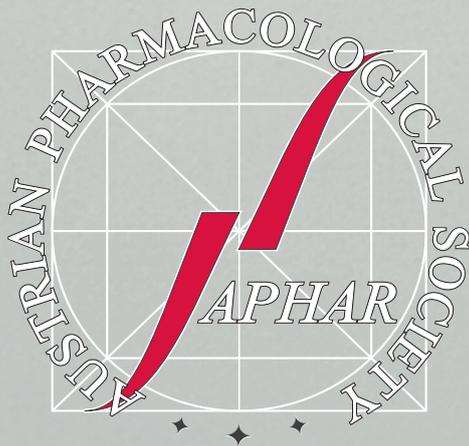


APHAR 2025

29th Meeting of
the Austrian
Pharmacological
Society

22 – 24 September
Krems an der Donau
Karl Landsteiner University
of Health Sciences



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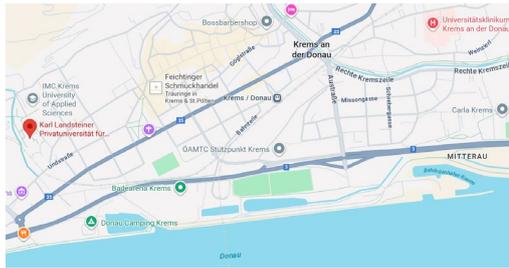


Programme

General Information

Date: 22– 24 September 2025

Location: **Karl Landsteiner University of Health Sciences**
Building Y: Auditorium and Festive Hall
Dr.-Karl-Dorrek-Straße 30, 3500 Krems an der Donau



Registration: Please pay your registration fee **online** at <https://www.aphar.at/2025/registration.html>

Registration fees:

Member rate¹⁾: 70 €¹⁾
Student rate^{*)}: 40 €²⁾
Non-member rate: 120 €

¹⁾Members of APHAR (or other pharmacological societies that are members of EPHAR or EACPT).
²⁾Reduced registration fees for students only upon presentation of the student confirmation form (<http://www.aphar.at/2025/student2025.docx>)

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



CME credits: The event has been accredited by the Austrian Medical Chamber with a total of **22 CME credits** (DFP Diplomfortbildungspunkte) (ID: 1031594).

The pre-meeting workshop on Monday has been accredited with additional **3 CME credits** (ID: 1031598)

Members of the Austrian Medical Association please bring your doctor's ID and enter your ID number into the attendance lists for 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. It is not possible to connect a personal laptop.

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 session 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*, 2025; 13 (Suppl.1)
<http://www.intrinsicactivity.org/2025/13/S1> (doi:10.25006/IA.13.S1)
(Publications date: 15 September 2025)



Social Program: Details to be announced.

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: dagmar.stoiber@kl.ac.at
E-Mail for enquiries concerning abstract publication or registration: thomas.griesbacher@medunigraz.at

Mo 22 Sept

13:00–18:00 *Registration*

13:00–15:30 **Workshop: Beyond the Fine Print: Rethinking Informed Consent for European drug trials** (Eva Maria ZEBEDIN-BRANDL, Vienna)

This interactive workshop invites researchers at all career stages to step beyond the fine print and actively rethink how informed consent can be improved across Europe.

Participation is **included in the registration fee** of the meeting, but **please register** for this workshop by sending an informal e-mail to eva-maria.zebedin@meduniwien.ac.at

15:30–17:00 **Round-table discussion: Teaching Pharmacology** - Chair: Ákos HEINEMANN (Graz)

- Medical University of Vienna: **Harals SITTE, Isabella SALZER**
- Medical University of Graz: **Petra LUSCHNIG, Thomas GRIESBACHER**
- Medical University of Innsbruck: **Georg WIETZORREK**
- University of Innsbruck: **Jörg STRIESSNIG**
- KL University of Health Sciences Krems: **Dagmar STOIBER-SAKAGUCHI**
- University of Linz: **Susanna ZIERLER, Tobias RUFF**

Evening Plenary Lecture *Chair: René PLATZER (Linz)*

18:00–18:45

Johannes HUPPA (Vienna / Berlin):

Understanding, redirecting and engineering T-cell antigen recognition – insights from molecular imaging

End of Day 1 (Dinner on own)

Tue 23 Sept

08:00–12:00 *Registration*

08:30–08:35 *Welcome*

08:35–08:45 **Rudolf MALLINGER**, Rector of the Karl Landsteiner University of Health Sciences
Opening of the Meeting

Plenary Lecture 1 *Chair: Thomas STOCKNER (Vienna)*

08:45–09:30 **Petrine WELLENDORPH** (Copenhagen, Denmark):
Allosteric modulation of the CaM-responsive kinase CaMKII α by GHB analogues

Oral Presentations 1 (Neuropharmacology) *Chair: Elisa ROTH (Innsbruck)*

09:30–09:45 **Sofia Inés GARCÍA MORENO** (Vienna): **Inducing glutamate co-release from substantia nigra pars reticulata GABAergic neurons rescues motor symptoms in the 6-OHDA hemiparkinsonian mouse model**

09:45–10:00 **Sarah FELBER** (Graz):
The selective serotonin reuptake inhibitor sertraline aggravates experimental colitis and alters gut–brain signaling

10:00–10:15 **Nadine ORTNER** (Innsbruck):
Therapeutic strategies for CACNA1D-related disorders: insights from preclinical cell and mouse models

10:15–10:30 *Coffee Break*

APHAR PI Talks (Signaling in Cancer) *Chair: Karoline KOLLMANN (Vienna)*

10:30–10:55 **Eduard STEFAN** (Innsbruck):
Decoding E3 ligase functions with conformation reporters

10:55–11:20 **Julia KARGL** (Graz):
Mapping predictive profiles in immunotherapy responses in NSCLC

Oral Presentations 2 (Signaling in Cancer) *Chair: Sophie EDTMAYER (Krems)*

11:20–11:35 **Jonathan KENDLER** (Vienna):
CDK6 and STAT5B are vital for oncogenic transformation in anaplastic large cell lymphoma

11:35–11:50 **Marija TRKULJA** (Vienna):
CDK6: a survival driver in EGFR-mutant non-small-cell lung cancer

11:50–12:05 **Thomas STOCKNER** (Vienna):
Regulation of TRPC3 channel function

12:05–13:30 *Lunch Break*

Plenary Lecture 2 *Chair: Romuald BELLMANN (Innsbruck)*

13:30–14:15 **Bernd JILMA** (Vienna)
Emergency treatment of anaphylaxis

Oral Presentations 3 (Clinical Pharmacology, Artificial Intelligence) *Chair: Georg WIETZORREK (Innsbruck)*

14:15–14:30 **Stephanie SUPPARITSCH** (Vienna):
Iron-dependent *in vitro* activity of cefiderocol against *Escherichia coli* in human ascites

14:30–14:45 **Severin MAIRINGER** (Vienna):
PET imaging of GLUT transporter activity in the airway epithelium

14:45–15:00 **Jürgen GINDLHUBER** (Graz):
Enhancing image analysis through subcellular topography mapping

15:00–15:15 **Max LECHNER** (Munich):
Artificial-intelligence-designed compounds inhibit transient receptor potential melastatin 7 enzymatic domain

15:15–16:30 **Poster and Coffee: Poster Session 1 (Neuropharmacology, Cancer Signaling, Clinical Pharmacology)**

Guided Poster Tours (See next page for list of posters presented in this tour)

Impulse Lecture and Round-table discussion *Chair: Susanna ZIERLER (Linz)*

16:30–17:15 **Heike WULFF** (Davis, CA)
AI in drug discovery

17:15–18:45 **APHAR General Assembly**

(Members of APHAR only)

Get-together (information available at registration)

☞ Abstracts numbered A... are published in *Intrinsic Activity*, 2025; 13(Suppl. 1) (doi.org/10.25006/IA.13.S1)

Tue 23 Sept

15:15–16:30 **Poster and Coffee: Poster Session 1 (Neuropharmacology, Cancer Signaling, Clinical Pharmacology) (*Guided Poster Tours*)**

- Board 1
[A2.1](#) **Didem ÜN** (Vienna):
A GPCR with untapped potential as a drug target: GPR88 agonists promote neurite outgrowth
- Board 2
Abdallah ABDALHADY (Innsbruck):
Novel Cav β 2 splice variant in synaptic ribbon-bearing cells
- Board 3
Matthias GANGLBERGER (Innsbruck):
Distinct rod cone phenotypes from a Cav β 1.4 variant with impaired C-terminal modulation
- Board 4
Elisa ROTH (Innsbruck):
Characterization of voltage-gated calcium currents in rod bipolar cells of mutant Cav β 1.x mouse models
- Board 5
Annesha GHOSH (Graz):
Transient microbial depletion in early life alters anxiety-like behavior in zebrafish
- Board 6
[A2.2](#) **Nikita SHAH** (Vienna):
Functional and pathological implications of a highly conserved N-terminal arginine residue in the human GABA transporter 1
- Board 7
Ségolène LA BATIDE-ALANORE (Vienna):
Role of SOX6 in Parkinsonism
- Board 8
Niklas SENNING (Vienna):
Comparative analysis of procaine and lidocaine as adulterants in cocaine: impacts on monoamine transporter inhibition
- Board 9
Chiara SEBASTIANELLI-SCHODITSCH (Vienna): **Homoamphetamines: structural optimization of monoamine transporter function to mitigate abuse liability and enhance therapeutic safety**
- Board 10
Sivarkumar SRINIVASAN (Vienna):
Role of VGLUT2 in selective vulnerability of Parkinson's disease
- Board 11
Simon HASINGER (Vienna):
Utilizing evolutionary conserved neuropeptide systems to probe GPCR signalling
- Board 12
[A2.3](#) **Ameya Sanjay KASTURE** (Vienna):
Influence of somatodendritically localized serotonin transporter on phototaxis in *Drosophila melanogaster*
- Board 13
[A2.4](#) **Laureta GASHI** (Vienna):
The role of neurokinin NK1 receptors in sex-specific synaptic regulation in the central amygdala in alcohol use disorder
- Board 14
[A2.5](#) **Žarko JURIĆ** (Belgrade):
Five-year trends in antipsychotic consumption: a comparative analysis between Serbia and European countries
- Board 15
Lucas SEIGFRIED (Vienna):
Investigating the genotypic and phenotypic properties of ATCC-29213 quality control strain in ten European laboratories
- Board 16
[A2.6](#) **Luisa GUTHARDT** (Innsbruck):
Pharmacodynamics of echinocandin antifungals in bile
- Board 17
[A2.7](#) **Nikola MARTIĆ** (Novi Sad):
Carob extract in experimental metabolic dysfunction: a preclinical perspective
- Board 18
[A2.8](#) **Jovana JANČIĆ** (Novi Sad):
Patterns of medication use in neonatal intensive care: an analysis based on gestational age
- Board 19
Isabella FAIMANN (Graz):
Antibiotic treatment changes behaviour, gene expression and microbiome of zebrafish larvae
- Board 20
Xiaodi ZHU (Graz):
The role of peptide YY in colitis and colitis-induced behavior disturbances

Wed 24 Sept

Plenary Lecture 3 Chair: Dagmar STOIBER-SAKAGUCHI (Krems)

08:30–09:15 Adelheid CERWENKA (Mannheim, Germany)
[Harnessing NK cells for cancer therapy](#)

Oral Presentations 4 (Tumor Immunology, Immunopharmacology) Chairs: Anna MADLMAYR (Linz), Theresa HARM (Krems)

09:15–09:30 Sophia HUSZAREK (Vienna):
[Inhibition of CDK4/6 as a novel target to enhance NK-cell function](#)

09:30–09:45 Faith O. DAVID (Vienna):
[A1.4](#) [The role of serine/threonine kinase 38 in natural killer cells](#)

09:45–10:00 Agnieszka WITALISZ-SIEPRACKA (Krems):
[A1.5](#) [Deciphering the function of natural killer cells in mutant calreticulin-driven myeloproliferative neoplasms](#)

10:00–10:15 Mounaf AL MAKHLOUF (Vienna):
[PfNCR1, a potential target for antimalarial agents](#)

10:15–11:45 Poster and Coffee: Poster Session 2 (Cancer Signaling, Tumor Immunology, Immunopharmacology)

[Guided Poster Tours](#) (See next page for list of posters presented in this tour)

11:45–12:45 Lunch Snacks

Plenary Lecture 4 Chair: Susanna-ZIERLER (Linz)

13:00–13:45 Heike WULFF (Davis, CA)
[The voltage-gated potassium K_v1.3 as a target for immunosuppression and neuroinflammation](#)

APHAR Awards Chair: Ákos HEINEMANN (Graz)

13:45–14:10 **Hans-Horst Meyer Award**
 (including presentation by the recipient)

14:15–14:45 **Heribert Konzett Award**
 (including presentation by the recipient)

14:45–15:00 **Verleihung der Ehrenmitgliedschaft**
 an Hans Georg EICHLER (Laudatio: Markus ZEITLINGER)

End of Meeting

Poster program continues on next page

Wed 24 Sept

10:15–11:45 **Poster and Coffee: Poster Session 2 (Cancer Signaling, Tumor Immunology, Immunopharmacology)** (*Guided Poster Tours*)

Board 21	Alexandra FRITZ (Innsbruck): Empowering the identification and validation of drug candidates targeting oncoproteins and E3 ligase functions
Board 22 A2.9	Elisabeth GAMPER (Vienna): Deciphering kinase-dependent and -independent functions of CDK8 in lymphoid leukemia
Board 23	Nina KASTNER (Vienna): Ring modifications of prolintane reveal enhanced SERT activity and species-specific effects
Board 24	Jonathan DIERINGER (Vienna): Cyclic peptides as research tools to study prolyl oligopeptidase inhibition
Board 25 A2.10	Katalin KISS (Vienna): Investigating a non-canonical STAT1 signaling pathway
Board 26	Sophie SKOPEC (Vienna): Is there a functional role of phosphorylation in organic cation transporter 3?
Board 27 A2.11	Shanna Esther KINGMA (Vienna): Elucidating PIP2-mediated regulation of TRPV6 through coarse-grained molecular dynamics simulations
Board 28	Mohammad Nazmul ISLAM (Vienna): Uncovering how OCT3 moves substrates: insights from molecular dynamics simulations
Board 29	Reham ATALLAH (Graz): Diethyl succinate in allergic and acute lung inflammation
Board 30	Rishi RAJESH (Graz): Diethyl succinate exerts anti-fibrotic effects in preclinical models of pulmonary fibrosis
Board 31	Svetlana PAHERNIK (Graz): Age-related alterations of the molecular circadian clock in human leukocytes in health and disease
Board 32 A2.12	Theresa GOGG (Graz): Influence of somatodendritically localized serotonin transporter on phototaxis in <i>Drosophila melanogaster</i>
Board 33	Anna MADLMAYR (Linz): TRPM7-dependent signaling influences human CD4⁺ T-cell differentiation
Board 34	Marko FRATICELLI (Linz): Pharmacological modulation of the TRPM7 channel using a natural product derivate
Board 35 A2.13	Juliana SCHWANZER (Graz): Basement membrane-derived matrikines in pulmonary inflammation
Board 36 A2.14	Theresa HARM (Krems): Triple-negative breast tumours induce functional impairment of peripheral natural killer cells
Board 37	Angela HIESINGER (Vienna): STAT5B drives oncogene-induced senescence in natural killer cells
Board 38 A2.15	Andreas BOROJEVIĆ (Vienna): Revealing novel evasion mechanisms of leukemic cells from natural killer cells
Board 39 A2.16	Anns LAGLER (Graz): Neutrophil-derived myeloperoxidase impairs T-cell function and differentiation in the tumor microenvironment of non-small-cell lung cancer
Board 40	René PLATZER (Linz): Gauging bispecific T-cell engagers for enhanced antigen recognition

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