

# ZUKUNFT PHARMAZIE

16.06.2025, 15:00 UHR  
M.EG.180, CCB

## PROGRAM

### 15.00 Welcome

**Andreas Bernkop-Schnürch**, Head of Department

**Guest Lecture:** *Novartis Austria – Activities & Opportunities*

**Angelika Reitingner**, Associate Director Science & Technology, Drug Product Development / Project Management, Novartis

### 15.55 My Poster in 60 seconds

#### Pharmacology and Toxicology

**Abdallah Abdalhady** *Novel CaV $\beta$ 2 splice variant in synaptic ribbon-bearing cells*

**Federico Ferro** *The modulatory role of VIP signaling in the Central Amygdala in Stress and Anxiety Responses*

**Matthias Ganglberger** *Quantitative proteomics identifies retinal degeneration severity in mouse models of congenital stationary night blindness type 2*

**Stefanie Geisler** *Genetic deletion of Stac2 alters Ca $^{2+}$  currents, action potential firing & mouse behavior*

**Laura Häfele** *Role of STAC2 deletion in mouse pancreatic  $\beta$ -cells*

**Nino Kobakhidze** *Neurobiology of Anxiety in Autism Spectrum Disorder (ASD)*

**Elisa Roth** *Voltage-gated calcium channels in mouse retinal neurons*

**Ryoichi Taguchi** *Bimodal effect of gabapentin on  $\beta$ -cell excitability, pancreatic islet Ca $^{2+}$  dynamics, and insulin release*

#### Pharmaceutical Technology

**Mariana Blanco Massani** *NanoBioRS*

**Melanie Ebert** *Enhancing Oral Delivery of Peptide Drugs via Dry Reverse Micelles and SEDDS: Formulation Strategies and Impact of Water Content on Performance*

**David Gintsburg** *Cellular uptake enhancement of biodegradable polyrotaxanes synthesized via rotaxa-polymerization*

**Luca Richter** *Utilization of Pharmaceutical Förster Resonance Energy Transfer-Directed Systems for the Tracking of Nanoformulations*

**Ilaria Polidori** *Alkaline phosphatase-triggered charge converting lipid nanoparticles: A smart approach for oral nucleic acid delivery*

**Mandana Askari** *Optimized Cyclodextrins: Enhancing Mucoadhesion via Lipoic Acid and Asparagusic Acid Modification as Mucosal Drug Delivery system*

**Annabelle Knoll** *A novel chitosan-based hydrogel: Injectable, tissue-adhesive, and tailored for in-situ bioprinting*

**Lena Werner** *Reverse micelles integrated into SEDDS for enzyme delivery: A Strategy to prevent GI degradation of  $\beta$ -GAL*

# ZUKUNFT PHARMAZIE

16.06.2025, 15:00 UHR

M.EG.180, CCB

## PROGRAM

### Clinical Pharmacy

**Danielle Hochhold** *Theoretical Domains Framework (TDF) to investigate community pharmacists' views on DRP management in pharmacy practice*

**Ivana Tadic** *Optimizing drug shortages in hospital pharmacy setting using the discrete event simulation model*

**Jasmin Stoll** *Development and implementation of a clinical pharmacy competency framework for hospital pharmacists in Austria: a multi-method study*

**Aqeel Aslam** *Medication Risks Associated in Patients of Delirium Superimposed on Dementia*

**Silvana Henschke** *Delirium als unerwünschte Arzneimittelwirkung: eine quantitative Pharmakovigilanzstudie*

**Claudia Praxmarer** *Inzidenz, Faktoren, diagnostische Kriterien und Behandlungsansätze für das Auftreten eines akuten Deliriums nach Einweisung in ein österreichisches Akutkrankenhaus*

### Pharmacognosy

**Claudia Ascher** *The Yeast-3-Hybrid (Y3H) System for Target Identification of Bioactive Phytochemicals*

**Minh Bui Hoang** *Oxidoreductase FSP1-mediated redox-regenerating natural product E18C6 potently suppresses ferroptotic cell death*

**Christian Elvert** *How to spot plant metabolites online (Fast)*

**Johanna Kappelsberger** *HonAI - Honey meets Artificial Intelligence*

**Loc Le Xuan** *The biflavonoid 8-methylsicotrin-4'-ol from *Dracaceana cambodiana* protects against ferroptosis by directly preventing membrane lipid peroxidation and upregulating the key ferroptosis suppressor FSP1*

**Liu Yun** *Endophytic Fungi from Alpine Plants: A Hidden Treasure Trove for NPs Discovery*

**Elahe Mirzaei Moghadam** *Endophytic natural products for combating rust fungus of Norway spruce*

**Angelika Seeber** *Killing cancer by illuminating mold pigments*

**Jonas Stehlin** *BotPharmLink: Leveraging Ethnobotany in a Knowledge Graph for Drug Discovery*

### Pharmaceutical Chemistry

**Ulrich Sturm** *In silico analysis of fungal CYP51-azole binding interactions*

**David Seher** *Synthesis and structure-activity relationships of novel derivatives with (di)azine subunits derived from the first dual sEH/FLAP inhibitor diflapolin*

**Mariana Spetea** *Selective activation of the kappa-opioid receptor, an effective strategy for treatment of chronic pain*

**Kira Küssner** *Insights into the mode-of-action of vanadiumIV compounds by in-depth MS2 studies with model peptides and proteins*

**Andrea Cucchiaro** *Investigating the Mechanism of Action of Novel Platinum Complexes as Potential Anticancer Agents*

# ZUKUNFT PHARMAZIE

16.06.2025, 15:00 UHR

M.EG.180, CCB

## PROGRAM

### 16.35 Poster Session / Get together - drinks & snacks

Presenters are expected to be present at their posters during either Session A or Session B to answer questions.

**16.35 - 17.20** Poster Session A: even numbers

**17.20 - 18.05** Poster Session B: odd numbers

- P 1 Laura Häfele** *Role of STAC2 deletion in mouse pancreatic  $\beta$ -cells*
- P 2 Lena Werner** *Reverse micelles integrated into SEDDS for enzyme delivery: A Strategy to prevent GI degradation of  $\beta$ -GAL*
- P 3 Jasmin Stoll** *Development and implementation of a clinical pharmacy competency framework for hospital pharmacists in Austria: a multi-method study*
- P 4 Johanna Kappelsberger** *HonAI - Honey meets Artificial Intelligence*
- P 5 Kira Küssner** *Insights into the mode-of-action of vanadiumIV compounds by in-depth MS2 studies with model peptides and proteins*
- P 6 Abdallah Abdalhady** *Novel CaV $\beta$ 2 splice variant in synaptic ribbon-bearing cells*
- P 7 Elahe Mirzaei Moghadam** *Endophytic natural products for combating rust fungus of Norway spruce*
- P 8 Silvana Henschke** *Delirium als unerwünschte Arzneimittelwirkung: eine quantitative Pharmakovigilanzstudie*
- P 9 Angelika Seeber** *Killing cancer by illuminating mold pigments*
- P 10 David Seher** *Synthesis and structure-activity relationships of novel derivatives with (di)azine subunits derived from the first dual sEH/FLAP inhibitor diflapolin*
- P 11 Stefanie Geisler** *Genetic deletion of Stac2 alters Ca<sup>2+</sup> currents, action potential firing & mouse behavior*
- P 12 Melanie Ebert** *Enhancing Oral Delivery of Peptide Drugs via Dry Reverse Micelles and SEDDS: Formulation Strategies and Impact of Water Content on Performance*
- P 13 Armin Oberosler** *The UVISION Project – An In-Depth Examination of MAAs*
- P 14 Claudia Ascher** *The Yeast-3-Hybrid (Y3H) System for Target Identification of Bioactive Phytochemicals*
- P 15 Andrea Cucchiaro** *Investigating the Mechanism of Action of Novel Platinum Complexes as Potential Anticancer Agents*
- P 16 Elisa Roth** *Voltage-gated calcium channels in mouse retinal neurons*
- P 17 Ilaria Polidori** *Alkaline phosphatase-triggered charge converting lipid nanoparticles: A smart approach for oral nucleic acid delivery*
- P 18 Danielle Hochhold** *Theoretical Domains Framework (TDF) to investigate community pharmacists' views on DRP management in pharmacy practice*



# ZUKUNFT PHARMAZIE

16.06.2025, 15:00 UHR

M.EG.180, CCB

## PROGRAM

- P 19 Jonas Stehlin** *BotPharmLink: Leveraging Ethnobotany in a Knowledge Graph for Drug Discovery*
- P 20 Ulrich Sturm** *In silico analysis of fungal CYP51–azole binding interactions*
- P 21 Federico Ferro** *The modulatory role of VIP signaling in the Central Amygdala in Stress and Anxiety Responses*
- P 22 David Gintsburg** *Cellular uptake enhancement of biodegradable polyrotaxanes synthesized via rotaxa-polymerization*
- P 23 Ivana Tadic** *Optimizing drug shortages in hospital pharmacy setting using the discrete event simulation model*
- P 24 Christian Elvert** *How to spot plant metabolites online (Fast)*
- P 25 Mariana Spetea** *Selective activation of the kappa-opioid receptor, an effective strategy for treatment of chronic pain*
- P 26 Matthias Ganglberger** *Quantitative proteomics identifies retinal degeneration severity in mouse models of congenital stationary night blindness type 2*
- P 27 Annabelle Knoll** *A novel chitosan-based hydrogel: Injectable, tissue-adhesive, and tailored for in-situ bioprinting*
- P 28 Aqeel Aslam** *Medication Risks Associated in Patients of Delirium Superimposed on Dementia*
- P 29 Liu Yun** *Endophytic Fungi from Alpine Plants: A Hidden Treasure Trove for NPs Discovery*
- P 30 Ryoichi Taguchi** *Bimodal effect of gabapentin on  $\beta$ -cell excitability, pancreatic islet  $\text{Ca}^{2+}$  dynamics, and insulin release*
- P 31 Mariana Blanco Massani** *NanoBioRS*
- P 32 Minh Bui Hoang** *Oxidoreductase FSP1-mediated redox-regenerating natural product E18C6 potently suppresses ferroptotic cell death*
- P 33 Claudia Praxmarer** *Inzidenz, Faktoren, diagnostische Kriterien und Behandlungsansätze für das Auftreten eines akuten Deliriums nach Einweisung in ein österreichisches Akutkrankenhaus*
- P 34 Luca Richter** *Utilization of Pharmaceutical Förster Resonance Energy Transfer-Directed Systems for the Tracking of Nanoformulations*
- P 35 Loc Le Xuan** *The biflavonoid 8-methylsocotrin-4'-ol from *Dracaceana cambodiana* protects against ferroptosis by directly preventing membrane lipid peroxidation and upregulating the key ferroptosis suppressor FSP1*
- P 36 Mandana Askari** *Optimized Cyclodextrins: Enhancing Mucoadhesion via Lipoic Acid and Asparagusic Acid Modification as Mucosal Drug Delivery system*
- P 37 Nino Kobakhidze** *Neurobiology of Anxiety in Autism Spectrum Disorder (ASD)*