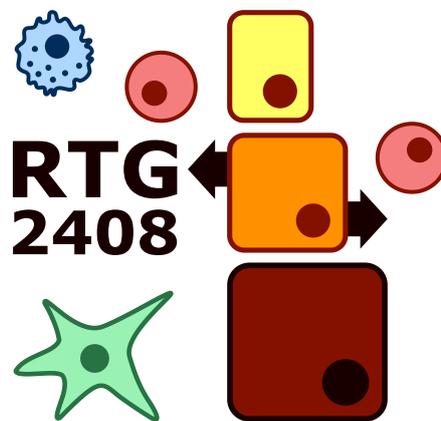


RTG 2408 – Maladaptive processes across  
physiological barriers in chronic diseases

# Retreat 2021



Sep 2<sup>nd</sup> – Sep 4<sup>th</sup>

Schloss Wallhausen

## Venue

Schloss Wallhausen  
Schloßgasse 1  
06528 Wallhausen

## Accommodation

Schloss Wallhausen  
Schloßgasse 1  
06528 Wallhausen



FACULTY OF  
MEDICINE

Gefördert durch

**DFG** Deutsche  
Forschungsgemeinschaft

## Thursday (Sep 2<sup>nd</sup> 2021)

13<sup>15</sup> **Welcome (Festsaal)**  
Michael Naumann

### Session I (Festsaal)

*Chair: Victoria Stiller (MD04), Mahyar Aghapour (AP05) & Shruthi Krishnan (P09.1)*

13<sup>30</sup> **Supattra Chaithongyot (AP02)**  
CSN-associated deubiquitinylase STAMBPL1 augments cell survival

14<sup>00</sup> **Aleksander Nowak (P10)**  
Maladaptation of hepatic barrier in alcohol induced liver disease

14<sup>30</sup> **Akash Mathew (P07)**  
Regulation of the ER-stress regulator IRE1 $\alpha$  – a new approach to the modulation of ischemia-induced cellular calcium overload and cell death

### 15<sup>00</sup> Coffee break (Ottosaal)

### Session II (Festsaal)

*Chair: Martin Voss (P04), Paola Cavalli (AP08), Yanfei Yu (P09.2)*

15<sup>30</sup> **Anubhuti Gupta (AP04)**  
Role of platelets and neutrophil extracellular traps for renal barrier function in diabetic nephropathy

16<sup>00</sup> **Sameen Fatima (P05)**  
Maladaptive unfolded protein response (UPR) and senescence at the vascular barrier in diabetes mellitus

16<sup>30</sup> **Ronnie Morgenroth (CS03)**  
Autoantibody formation against cold shock protein YB-1 within Alzheimer's disease

17<sup>15</sup> **Meet the clinician (Festsaal)**  
Ronnie Morgenroth

17<sup>15</sup> **PI meeting (Ottosaal)**

18<sup>00</sup> **Barbecue (Ottosaal)**

19<sup>30</sup> **Pub quiz (Festsaal)**

## Friday (Sep 3<sup>rd</sup> 2021)

8<sup>50</sup> Group photo (Festsaal)

### Session III (Festsaal)

*Chair: Elif Gelmez-Bitterlich (P02), Phatcharida Jantaree (P01), Mohsen Abdi Sarabi (P06)*

9<sup>00</sup> **Laurens Noack (MD03)**

Role of A20 in lung barrier breakdown after trauma

9<sup>30</sup> **Martin Voss (P04)**

Early onset of inflammation by MC-derived TNF is crucial for proper tissue recovery

10<sup>00</sup> **Charlotte Reichardt (P08)**

Deletion of cold shock protein DNA binding protein A (DbpA) protects against acute kidney injury

10<sup>30</sup> Coffee break (Ottosaal)

### Session IV (Festsaal)

*Chair: Supattra Chaithongyot (AP02), Aleksander Nowak (P10) & Charlotte Reichardt (P08)*

11<sup>00</sup> **Mohsen Abdi Sarabi (P06)**

Normoxic HIF stabilization at the vascular barrier in atherosclerosis

11<sup>30</sup> **Shruthi Krishnan (P09.1)**

CD248 antagonizes IRE1 $\alpha$ -XBP1 mediated adaptive unfolded protein response in diabetic kidney disease

12<sup>00</sup> **Phatcharida Jantaree (P01)**

USP48 ameliorates the anti-apoptotic activity of NF- $\kappa$ B-induced A20 of the *Helicobacter pylori*-infected epithelium barrier

12<sup>30</sup> Lunch break (Ottosaal)

14<sup>00</sup> Talk & guided tour (Festsaal)

**Stephan Freund (OvGU Magdeburg)**

Wallhausen – Episodes about Heinrich I., Mathilde and Otto I.

15<sup>30</sup> Coffee break (Ottosaal)

16<sup>00</sup> Information & discussion (Festsaal)

Review of our renewal proposal by the DFG in 2022

18<sup>30</sup> Dinner (Ottosaal)

20<sup>00</sup> Discussion (Festsaal)

3 years RTG 2408 – Looking back and ahead

**Saturday (Sep 4<sup>th</sup> 2021)**

8<sup>00</sup> **Steering committee meeting** (Steering committee only)

**Session V (Festsaal)**

*Chair: Akash Mathew (P07), Anubhuti Gupta (AP04) & Laurens Noack (MD03)*

8<sup>30</sup> **Elif Gelmez-Bitterlich (P02)**

Impact of epigenetic imprinting on the perturbation of intestinal inflammation and dysplasia

9<sup>00</sup> **Paola Cavalli (AP08)**

Immunomodulatory effects of cancer patients undergoing minimal-invasive radiological interventional therapies

9<sup>30</sup> **Yanfei Yu (P09.2)**

UPR-induced apoptosis and epithelial barrier function

10<sup>00</sup> **Coffee break (Ottosaal)**

**Session VI (Festsaal)**

*Chair: Sameen Fatima (P05), Ronnie Morgenroth (CS03)*

10<sup>30</sup> **Victoria Stiller (MD04)**

Investigating the mode of mast cell-driven translation of local inflammation into systemic effects – impact on mobilization or emergency myelopoiesis

11<sup>00</sup> **Mahyar Aghapour (AP05)**

Insights into the mechanisms of dysregulated innate immune responses in Streptococcus pneumoniae-induced COPD exacerbation

11<sup>30</sup> **End**