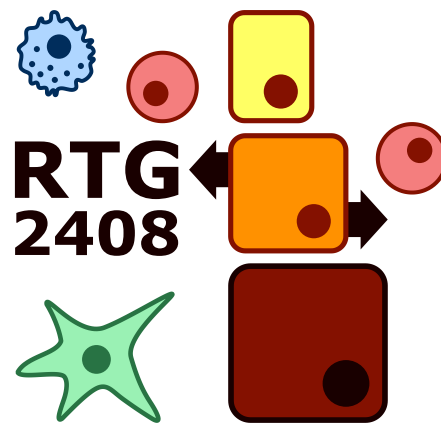


RTG 2408 – Maladaptive processes across
physiological barriers in chronic diseases

Retreat 2020



Sep 30th – Okt 2nd

Schloss Altenhausen

Venue

Schloss Altenhausen
Schlossstraße 16
39343 Altenhausen

Accommodation

Schloss Altenhausen
Schlossstraße 16
39343 Altenhausen



FACULTY OF
MEDICINE

Gefördert durch

DFG Deutsche
Forschungsgemeinschaft

Program

Wednesday (Sep 30th 2020)

13³⁰ **Welcome**
Michael Naumann & Berend Isermann

Session I

Chair: Elif Gelmez (P02), Phatcharida Jantaree (P01), Charlotte Reichardt (P08)

14⁰⁰ **Sarmad Sleiman (MD01)**
Depletion of DNA binding protein A protects mice from nephrotoxic serum nephritis

14³⁰ **Shruthi Krishnan (P09-1)**
CD248 as a novel regulator of renal and gastric barrier function

15⁰⁰ **Till Nöthen (CS02)**
The role of VAMP3-IKK γ /NEMO interaction in inflammation of atherosclerosis

15³⁰ **Coffee break**

16⁰⁰ **Social event**

19³⁰ **Dinner & informal discussion**

Thursday (Okt 1st 2020)

08⁵⁰ **Group photo**

09⁰⁰ **Guest lecture I : Jürgen Bernhagen (LMU München)**
Role of the COP9 Signalosome (CSN) in cardiovascular diseases

10⁰⁰ **Students only: Meet the expert I – Jürgen Bernhagen**

10⁰⁰ **Supervisor meeting**

Session II

Chair: Anubhuti Gupta (AP04), Till Nöthen (CS02), Mahyar Aghapour (AP05)

11⁰⁰ **Charlotte Reichardt (P08)**
The influence of cold shock protein DbpA (DNA binding protein A) on barrier functions within the kidney

11³⁰ **Martin Voss (P04)**
The role of mast cells in chronic skin inflammation

12⁰⁰ **Marta Szymra (P09-2)**
TEM-1 as a novel regulator of renal barrier function

12³⁰ **Lunch break**

Thursday (Okt 1st 2020)

Session III

Chair: Supattra Chaithongyot (AP02), Marten Zillmer (MD02), Marta Szmyra (P09-2)

13³⁰ Sameen Fatima (P05)

Maladaptive unfolded protein response (UPR) and senescence at the vascular barrier in diabetes mellitus

14⁰⁰ Anubhuti Gupta (AP04)

Role of platelets and transcription factor p45 NF-E2 for renal barrier function in diabetic nephropathy

14³⁰ Mohsen Abdi Sarabi (P06)

Normoxic HIF stabilization at the vascular barrier in atherosclerosis

15⁰⁰ Coffee break

Session IV

Chair: Sarmad Sleiman (MD01), Mohsen Abdi Sarabi (P06), Aleksander Nowak (P10)

15³⁰ Mahyar Aghapour (AP05)

Insights into the mechanisms of innate immune dysfunction in *Streptococcus pneumoniae*-induced COPD exacerbation

16⁰⁰ Akash Mathew (P07)

IRE1 and PERK regulate calcium dynamics and actin restructuring in hypoxia/reoxygenation

16³⁰ Ilka Jorde (AP06)

Intranasal *Staphylococcus aureus* enterotoxin B modulates allergic airway inflammation in a dose- and time-dependent manner

18⁰⁰ Dinner

19³⁰ Guest lecture II: Florian Heidel (Jena University Hospital)

Therapeutic targeting of YBX1-dependent ERK signalling in combination with JAK2 inhibition of JAK2 mutated neoplasms

20³⁰ Students only: Meet the expert II – Florian Heidel

21³⁰ Informal discussion

Friday (Okt 2nd)

Session V

Chair: Ilka Jorde (AP06), Shruthi Krishnan (P09-1), Sameen Fatima (P05)

09⁰⁰ Supattra Chaithongyot (AP02)

H. pylori infection induced STAMBPL1 degradation contributes to apoptotic cell death

09³⁰ Elif Gelmez (P02)

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

10⁰⁰ Phatcharida Jantaree (P01)

H. pylori-induced USP48/A20 impact on cell survival of colonized epithelial cells and stromal fibroblasts in the gastric mucosa

10³⁰ Coffee break

Friday (Okt 2nd)

Session V

Chair: Akash Mathew (P07), Martin Voss (P04)

11⁰⁰ Aleksander Nowak (P10)

Maladaptation of the hepatic barrier in alcohol-induced liver injury

11³⁰ Marten Zillmer (MD02)

The capacity of mast cells to translate skin inflammation into systemic effects

12⁰⁰ End

12³⁰ Steering committee meeting

13⁴⁵ End