

# Joint Retreat

July 1<sup>st</sup> & 2<sup>nd</sup> 2021

Digital Meeting via Zoom

Meeting-ID: 939 0388 1834

Password: 421749

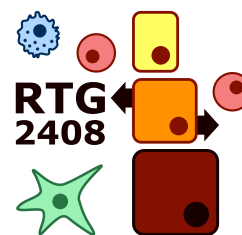
## RTG 2407

Inflammatory and cellular stress signaling: Switches to vascular dysfunction



## RTG 2408

Maladaptive processes across physiological barriers in chronic diseases



Gefördert durch

**DFG** Deutsche  
Forschungsgemeinschaft

## Program

Thursday (July 1 <sup>st</sup> 2021)	
12 <sup>50</sup>	Login to virtual conference room
13 <sup>00</sup>	<b>Welcome “Disease oriented research – interorgan cross-talk”</b> Stephan Baldus, Stephan Rosenkranz & Michael Naumann, Berend Isermann
13 <sup>10</sup>	<b>Talk RTG 2407 (Cologne)</b> <b>Inflammatory and cellular stress signaling: Switches to vascular dysfunction</b> Stephan Rosenkranz
13 <sup>35</sup>	<b>Talk RTG 2408 (Magdeburg)</b> <b>Maladaptive processes across physiological barriers in chronic diseases</b> Michael Naumann
14 <sup>00</sup>	<b>Break</b>
14 <sup>10</sup>	<b>Poster session + discussion I</b> RTG 2407 (Cologne)
15 <sup>40</sup>	<b>Break</b>
15 <sup>50</sup>	<b>Poster session + discussion II</b> RTG 2408 (Magdeburg)
17 <sup>20</sup>	<b>Summary day 1 &amp; Planning of day 2</b>
18 <sup>00</sup>	<b>Get together</b>

Friday (July 2 <sup>nd</sup> 2021)	
8 <sup>50</sup>	Login to virtual conference room
9 <sup>00</sup>	<b>RTG exchange of experiences (specific RTG aspects)</b> Moderated by: Yanfei Yu, Mahyar Aghapour, Anubhuti Gupta, Paola Cavalli, Ronnie Morgenroth & Milica Popovic, Ruiyuan Zheng, Dennis Mehrkens, Khrystyna Totska, Lauren De Vore
10 <sup>00</sup>	<b>Break</b>
10 <sup>10</sup>	<b>Talk COVID-19 – Epidemiology &amp; Treatment   Long COVID-19 – Where do we stand?</b> Annette Hennigs   Jan K. Hennigs (UKE Hamburg)
10 <sup>40</sup>	<b>RTG exchange of experiences (RTG during COVID pandemic)</b> Moderated by: Supattra Chaithongyot & Milica Popovic, Ruiyuan Zheng
11 <sup>10</sup>	<b>Break</b>
12 <sup>00</sup>	<b>RTG exchange of experiences (summary of discussions and further comments)</b> Moderated by: Laurens Noack & Leoni Feik
12 <sup>45</sup>	<b>Drafts for discussion reports</b>
13 <sup>15</sup>	<b>RTG exchange of experiences (potential interactions between Cologne &amp; Magdeburg)</b> Moderated by: Laurens Noack & Leoni Feik
14 <sup>00</sup>	<b>End</b>

## Poster Session I (RTG 2407, Cologne)

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|----|--|
| 01 | <b>MPO in cardiac failure</b><br>Simon Geißen (PI: Stephan Baldus)   |
| 02 | <b>cGMP signaling in podocytes</b><br>Nelli Rutkowski (PI: Thomas Benzing)   |
| 03 | <b>Cell-to-cell transcriptional remodeling: a nuclear role for MPO in endothelial inflammation</b><br>Ruiyuan Zheng (PI: Argyris Papantonis) |
| 04 | <b>Mechanisms of caspase-8 and cFlip regulated cell death and survival</b><br>Neil Stair (PI: Manolis Pasparakis)                            |
| 05 | <b>Role of PI3-kinase gamma signaling in pulmonary hypertension</b><br>Leoni Feik (PI: Stephan Rosenkranz)                                   |
| 06 | <b>Effect of nitrated fatty acids in a murine model of hypertension</b><br>Dennis Mehrkens (PI: Volker Rudolph)                              |
| 07 | <b>Rejuvenation processes in terminally differentiated cells</b><br>Khrystyna Totska (PI: Björn Schumacher)                                  |
| 08 | <b>Role of Cox7c in biogenesis and maintenance of oxidative phosphorylation machinery</b><br>Milica Popovic (PI: Aleksandra Trifunovic)      |
| 09 | <b>The role of fibroblast regulation by olfactory receptor 588 in myocardial infarction</b><br>Tim Dorweiler (PI: Holger Winkels)            |
|    | <b>Poster discussions</b><br>Moderated by: Simon Geißen  |

## Poster Session II (RTG 2408, Magdeburg)

01	<b>Interplay of USP48 and A20 for sustained NF-<math>\kappa</math>B activity and cell survival in Helicobacter pylori-infected gastric epithelium</b> Phatcharida Jantaree (PI: Michael Naumann)
02	<b>Transcriptomic and epigenetic alterations of intestinal epithelial cells during consecutive stages of DSS inflammation</b> Elif Gelmez-Bitterlich (PI: Dunja Bruder)
03	<b>Mast cell-derived TNF promotes monocyte recruitment and tissue restoration in acute skin inflammation</b> Martin Voss (PI: Anne Dudeck)
04	<b>Maladaptive unfolded protein response (UPR) and senescence promotes diabetes associated atherosclerosis</b> Sameen Fatima (PI: Khurram Shazad)
05	<b>Normoxic HIF stabilization at the vascular barrier in atherosclerosis</b> Mohsen Abdi Sarabi (PI: Rüdiger Braun-Dullaeus)
06	<b>Regulation of the ER-stress regulator IRE1<math>\alpha</math> - a new approach to the modulation of ischemia-induced cellular calcium overload and cell death</b> Akash Mathew (PI: Berend Isermann)
07	<b>CD248 antagonizes IRE1<math>\alpha</math>-XBP1-mediated adaptive unfolded protein response signaling in diabetic kidney disease</b> Shruthi Krishnan (PI: Berend Isermann)
08	<b>The NF-<math>\kappa</math>B regulating role of the ubiquitin-editing enzyme A20 in the alcohol-induced liver injury</b> Aleksander Nowak (PI: Borna Relja)
09	<b>Role of A20 in lung barrier breakdown after trauma</b> Laurens Noack (PI: Borna Relja)
10	<b>Mast cell-driven translation of local inflammation into systemic effects</b> Victoria Stiller (PI: Anne Dudeck)
	<b>Poster discussions</b> Moderated by: Supattra Chaithongyot