



# CRC/TRR241 Newsletter

June 2019 – Issue 3

## New TRR 241 Publications

**Markus F. Neurath (C04)** published with the support from **Raja Atreya (C03)**, **Moritz Leppkes (B04)**, **Kai Hildner (A08)**, **Rocio Lopez-Posadas (A07)**, **Clemens Neufert (A08)**, and **Imke Atreya (A07)** the article “Hobit- and Blimp-1-driven CD4+ tissue-resident memory T cells control chronic intestinal inflammation” in the journal **Nature Immunology**.

**Alexander Scheffold (B07)** published with the support from **Chiara Romagnani (B02)** the article “c-Maf-dependent Treg cell control of intestinal TH17 cells and IgA establishes host–microbiota homeostasis” in the journal **Nature Immunology**.

**Alexander Scheffold (B07)** published with the support from **Britta Siegmund (B01)** the article “Human Anti-fungal Th17 Immunity and Pathology Rely on Cross-Reactivity against *Candida albicans*” in the journal **Cell**.

**Magdalena Prüß (C03)** published with the support from **Britta Siegmund (B01)** the article “Transcranial direct current stimulation in inflammatory bowel disease patients modifies resting-state functional connectivity: A RCT” in the journal **Brain Stimulation**.

**Zlatko Trajanoski (IBDome)** published the article “Molecular and pharmacological modulators of the tumor immune contexture revealed by deconvolution of RNA-seq data” in the journal **Genome Medicine**.

### It's all about the money

- remember that money from the TRR241 cost unit that is not used in 2019 cannot be transferred into 2020
- please make sure that your last invoice and delivery will take place in November 2019 to make sure that your order can be paid in time with your TRR241 budget
- in case your invoice and delivery will be delayed (dated in 2020) your order has to be paid with your budget of 2020

### In search for new medical doctoral students

In 2019 the TRR241 is able to award six **fellowships** to medical doctoral students. **There are still free slots.** In order to arouse interest the concept of the iRTG and the TRR241 was presented by Dr. Imke Atreya at the Second-FAU-Networking-Night (14th November 2018). If you are interested in involving a doctoral student in your project please contact Dr. Imke Atreya or Ina Schlelein.

## International Congress 2021

The international TRR241 Congress will take place in 2021. External speakers, specialists in the field of IBD, inflammation and epithelial crosstalk, will be invited. We are looking forward to receive your suggestions. Contact: [Juliane.Friedrich@uk-erlangen.de](mailto:Juliane.Friedrich@uk-erlangen.de)



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## iRTG student Retreat – Berlin meets Erlangen

The first PhD student Retreat took place in Berlin on the 13<sup>th</sup> and 14<sup>th</sup> of May. The Retreat was self-organized by the PhD students and was a true success. Philipp Tripal, an expert in the field optical imaging and Matthew Hepworth an expert in immunology were invited for a talk. Additionally, Antigoni Triantafyllopoulou and Moritz Leppkes, both PIs of the TRR241 gave insight in their current research topics. Congratulation go to Roodline Cineus, Angelika Schmalzl and Stylianos Gnafakis, who won the poster awards. Thanks to all PhD students for excellent poster presentation at the first iRTG Retreat. Further on, congratulation go to Miguel Gonzalez Acera who was elected as the Student Representative of the iRTG from Erlangen.



## Long Night of Science 2019

On the 19 October 2019 the scientific institutions of the FAU Erlangen-Nürnberg will open their doors to all interested people. The Long Night of Sciences offers fascinating insights into the world of science, research and technology. More than 20000 visitors are expected this year.

The iRTG participates at the Long Night of Science. We would be glad to welcome you. The Long Night of Science is an excellent chance to introduce our field of work to the public.

Further information: <https://www.nacht-der-wissenschaften.de/2019/home/>



Die Lange Nacht der  
**Wissenschaften**  
Sa 19.10.2019 18–1 Uhr  
[www.nacht-der-wissenschaften.de](http://www.nacht-der-wissenschaften.de)



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We proudly present the PhD students of the TRR241

My name is Aylin Lindemann and I started my doctorate in February 2019. Until last year I studied Molecular Biology in Erlangen and wrote my master's thesis at the Institute of Human Genetics about gene expression during murine spermatogenesis. Since February I am examining the interplay of neutrophils and the intestinal epithelium in the context of IBD in Dr. Moritz Leppkes' group at the Department of Medicine 1, University Hospital Erlangen. Our focus is on neutrophil extracellular trap (NET) formation during inflammation and wound healing.



My name is Leonie Hartmann and I am a new PhD student in the group of Dr. Claudia Günther in the Department of Medicine 1, University Hospital Erlangen.

Before, I did my Bachelor's degree in Biology and Master's degree in Cell and Molecular Biology at FAU Erlangen. I started my PhD in January 2019. As a member of the TRR 241, I work on cell death mechanisms in the intestinal epithelium during inflammatory bowel disease.

