



CRC/TRR241 Newsletter

September 2020 – Issue 6

We proudly present the PhD students of the TRR241



My name is Julia Hecker, I obtained both my B.Sc and my M.Sc in Biology at the RWTH University in Aachen. In my master thesis I have already worked with T cells in the context of IBD and was so fascinated of the topic that I wanted to do further research in this field. Since April 2020 I've been now a PhD candidate in the group of Britta Siegmund and Carl Weidinger at the Charité Berlin. My project focuses on the characterization of fat-resident T cells. We aim to understand the role of the fat-resident T cells in IBD and to identify mechanisms leading to pathogenicity of T cells.

My name is Jakob Wiese and I am a PhD-student in the group of PD Dr. Magdalena Prüß and Dr. Michael Schumann in the Medical Clinic of Gastroenterology, Infectiology and Rheumatology at Charité - University Medicine Berlin. I obtained a B.Sc. in Life sciences from Potsdam University and a M.Sc. in Molecular Life sciences from Humboldt University Berlin. In November 2018 I started my doctorate - its focus is on the elucidation of the underlying mechanisms of transcranial direct current stimulation (tDCS) as a treatment for chronic, IBD-associated pain and its impact on intestinal epithelial barrier defects in IBD-patients.





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New TRR 241 First and Senior Author Publications

Clemens Neufert (A08) published with the support of **Stefan Wirtz (A03)**, **Maximilian Waldner (C01)** and **Markus Neurath (C04)** the article **STAT3 activation through IL-6/IL-11 in cancer-associated fibroblasts promotes colorectal tumour development and correlates with poor prognosis** in the journal **Gut**.

Lucas Kreis (C01) published with the support of **Sebastian Schürmann** and **Maximilian Waldner (C01)** the article **Label-free in vivo histopathology of experimental colitis via three-channel multiphoton endomicroscopy** in the journal **Gastroenterology**.

Imke Atreya (A07) published the article **ILC2 Lung-Homing in Cystic Fibrosis Patients: Functional Involvement of CCR6 and Impact on Respiratory Failure** in the journal **Frontiers in Immunology**.

Christoph Becker (A03) published the article **PGAM5-MAVS interaction regulates TBK1/IRF3 dependent antiviral responses** in the journal **Scientific Reports**.

Raja Atreya (C02/C03) published the article **Successful Therapy of Crohn's Disease-Associated Pulmonary Necrobiotic Nodules on Ustekinumab Therapy** in the journal **American Journal of Gastroenterology**.

Markus Neurath (C04) published the review **COVID-19: risk for cytokine targeting in chronic inflammatory diseases?** In the journal **Nature Reviews Immunology**.

Stefan Wirtz (A03), **Markus Neurath (C04)** and **Imke Atreya (A07)** published the review **Regulation of Human Innate Lymphoid Cells in the Context of Mucosal Inflammation** in the journal **Frontiers in Immunology**.

Moritz Leppkes (B04) and **Markus Neurath (C04)** published the review **Cytokines in inflammatory bowel diseases - Update 2020** in the journal **Pharmacological Research**.

Britta Siegmund (B01) published the article **Janus Kinase inhibitors in the New Treatment of Inflammatory Bowel Disease** in the journal **Crohn Colitis**.

Chiara Romagnani (B02) published the article **NK cell receptor NKG2D enforces proinflammatory features and pathogenicity of Th1 and Th17 cells** in the journal of **Experimental Medicine**.

Andreas Diefenbach (A01) published the review **Innate Lymphoid Cell-Epithelial Cell Modules Sustain Intestinal Homeostasis** in the journal of **Immunity**.



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Save the Date - Vision 2030: Changing Paradigms in IBD

In **2021, June 10th-11th**, the International Symposium “**Vision 2030: Changing Paradigms in IBD**” will take place in the Berlin-Brandenburgische Akademie der Wissenschaften in Berlin. We are looking forward to meet you there. Further information, registration and AGENDA will follow soon.



TRR241 Acknowledgement

In order to clearly demonstrate the importance and impact of the **INF Project** as a central part of the TRR241, please mention the “**TRR241 - IBDome Consortium**” on each poster you or your PhD students present, during your presentation or in the acknowledgement of publication in the case you used human samples. A respective Logo will follow soon.

Students support Students

The RISE (Research Internship in Science and Engineering) offers undergraduate students the possibility to complete an internship at German universities. Each PhD student who completing his/her PhD thesis at a German institution is able to offer an internship. The internship should be at least organized for **10 weeks** but no longer than 3 months. The earliest starting date will be **15 May 2021**. Your internship offer needs to be send to the RISE program until the **15 October 2020** → <https://www.daad.de/rise/de/rise-germany/praktikum-anbieten/anbieterportal/>. Fees will be covered by the TRR241. We would like you to encourage your PhD student to offer such an internship it would be a great chance for both sides. For further information please see

<https://www.daad.de/rise/de/rise-germany/praktikum-anbieten/>



or contact ina.schlelein@uk-erlangen.de



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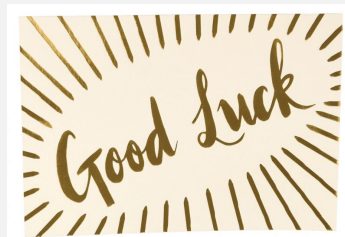
Travel Award and Short Talk for the TRR241 Congress 2021 will be awarded

The TRR241 will offer **three** TRR241 PhD Students and MD Students to present their work during a 15min short talk at the International Symposium “**Vision 2030: Changing Paradigms in IBD**” taking place in Berlin.

All you need to do: Write an abstract about your research project, maximum 400 words. Deadline **31 March 2021**.

Please send your abstracts to ina.schlelein@uk-erlangen.de

We are looking forward to your amazing abstracts.



TRR241 Retreat Jena

Due to the coronavirus outbreak, several restrictions regarding meetings and retreats have been imposed to prevent the spread of COVID-19. Therefore we unfortunately have to limit the number of participants attending the TRR241 Retreat in Jena (5th-7th October, Volksbad Jena). Together with the respective PIs we decided to only invite PhD students directly working at the TRR241 project and the TRR241 PIs. We apologize for the inconvenience. However, health is a top priority. But let's keep our fingers crossed and let's hope at least for a status quo.

Further information regarding the congress will follow soon per E-Mail.

If you have any questions please contact ina.schlelein@uk-erlangen.de

I also wanted to take this opportunity to say goodbye to all of you. Thanks a lot for being part of the TRR241, I had a great time with you. Perhaps I will meet some of you on the dancefloor 😊 I would be happy if we could keep in touch.

Best Jule