



CRC/TRR241 Newsletter

November 2018 – Issue 1

Kick Off Meeting Berlin, October the 8th-9th, 2018 - and we finally met

During the first official meeting after the grant approval of the SFB/TRR241 the executive board and Spokespersons were confirmed. Moreover, Dr. med. Imke Atreya (Erlangen) was elected as *Coordinator for Equal Chances Measures*. Daniela Hernandez (Berlin) and Annette Stahl (Erlangen) will support the executive board as PhD representatives.

In addition to progress reports from all projects, an important agenda item was to discuss the few points of criticism mentioned during the on-site review, such as data management and the implementation of 3R principles. In four round table meetings important topics regarding the IBDome-Project, iRTG, data management and the 3R concept were discussed. As a short-term goal a platform will be established to share experimental data between Erlangen and Berlin. As a goal for 2019 and 2020, a murine tissue bank for colitis models and SOPs will be established in order to ensure the comparability of the experiments.

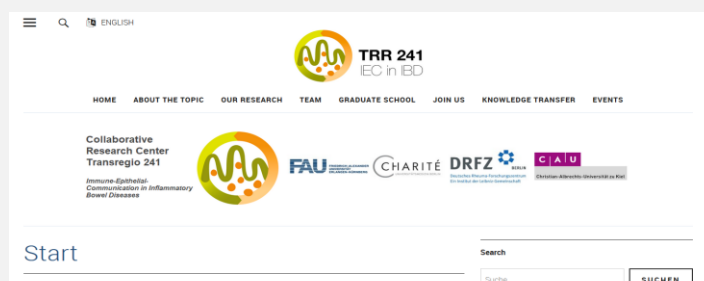


TRR241 Homepage - we are online

The Internet presentation of the TRR241 <https://www.transregio241.com/> is aimed not only to represent our researchers, but to provide an overview for scientists, non-scientist and patients about inflammatory bowel diseases and research progress for the future management of these diseases. We are currently in the process to provide the homepage contents also in German in order to make it easier for non-scientists and patients to understand the scientific content.

Of note:

- Please read through your project description
- Please send us (Ina Schlelein or Juliane Friedrich) some pictures that can be published to better illustrate your project



In search for new medical doctoral students

In 2019 six medical doctoral students should be enrolled in projects of the TRR241. 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). If someone is interested in involving a MD in her/his project please contact Dr. Imke Atreya or Ina Schlelein.

TRR241 was admitted to the F³G group

The “Forschungsverbünde der Friedrich-Alexander-Universität Erlangen-Nürnberg zur Förderung der Gleichstellung” are a merger of different DFG projects founded at the FAU and the Universitätsklinikum. The aim is a better networking and the coordination of equal chances measures.



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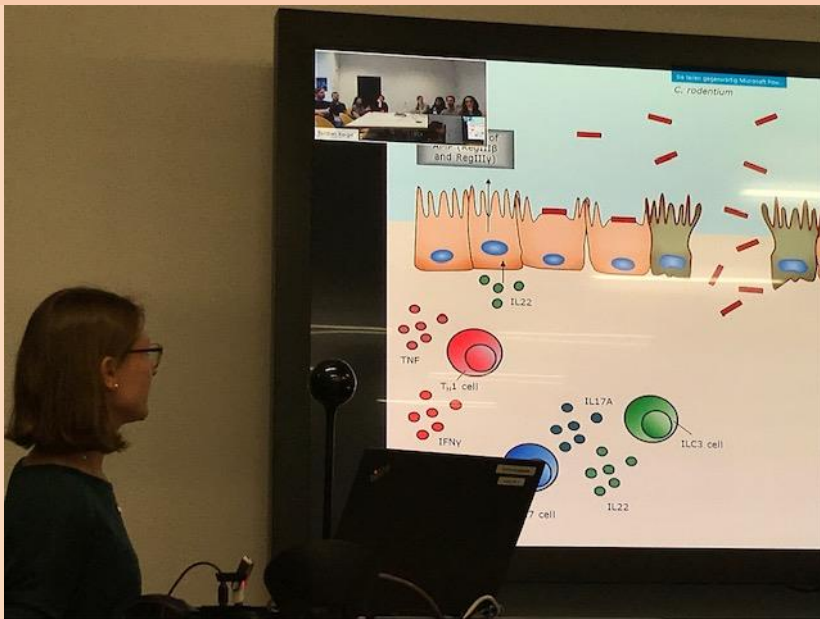
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Take one - and Action

On the 13th of November was the premiere of the iRTG PhD student webinar between Erlangen and Berlin. During the webinar one doctoral researcher from Berlin presented a scientific paper and another one from Erlangen reported on the scientific progress of her project. The webinar has been a success and offers the students the opportunity to get in contact and to exchange knowledge, experiences and methods.

Of note:

- There are still some working groups who did not employ a PhD student. In this case please contact Ina Schlelein.
- We further on need the information since when the PhD student started her/his work in your working group. Please send this information to Ina Schlelein.
- Next webinar 4th December 2018; in this webinar the presentation list (including chair person, speaker, topic) will be finalized



Hyperion – upgrading CyTOF® technology

The Hyperion Imaging brings CyTOF® technology together with imaging capability. By using this system it will be possible to interrogate tissues and tumors at subcellular resolution while preserving the information in tissue architecture and cellular morphology to uncover new biomarker correlations and cell interactions (<https://www.fluidigm.com/products/hyperion-imaging-system>). This system is located in Berlin at the BCRT.

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Information exchange

It would be a great help if PIs, technical assistants and PhDs would contact us to share important information which should be listed in the TRR241 final report. This includes the purchase of equipment (over 10.000 Euro), student exchange, congress contribution, awards, publications etc.

New TRR 241 Publications

Moritz Leppkes (B04) together with **Britta Siegmund (B01)** and **Christoph Becker (A03)** published the article Editorial: Immune-Epithelial Crosstalk in Inflammatory Bowel Diseases and Mucosal Wound Healing. in **Frontiers in Immunology**.

Markus F. Neurath (C04) and **Raja Atreya (C03)** published the article Effects of Anti-Integrin Treatment with Vedolizumab on Immune Pathways and Cytokines in Inflammatory Bowel Diseases in **Frontiers in Immunology**.

Chiara Romagnani (B02) published the article Natural Killer Cell Specificity for Viral Infections in **Nature Immunology**.

Michael Stürzl (A06) published the article IFN- γ -Response Mediator GBP-1 Represses Human Cell Proliferation by Inhibiting the Hippo Signaling Transcription Factor TEAD in **Biochemical Journal**.

Chiara Romagnani (B02) and **Daniela Hernandez (PhD Student B02)** published the article Innate Lymphoid Cells in Lung Infection and Immunity in **Immunological Reviews**.

Carl Weidinger (B01) and **Britta Siegmund (B01)** published the article Adipokines and Their Role in Intestinal Inflammation in **Frontiers in Immunology**.

!SAVE THE DATE!

The next TRR241 Retreat will take place in Schloss Thurn Heroldsbach on the 28th of October to the 30th of October 2019. More information will follow soon.