Dear CRC 1149 members,

The CRC looks back at an exciting and productive year and a newsletter is obviously overdue. First of all we want to thank the Executive Board for offering us the opportunity to configure the present issue of the news ticker - from now on, junior scientists supported by CRC grants will be responsible for keeping you up-to-date on current topics regarding the CRC 1149.

We would like to welcome our latest members of the CRC: **Dr. Katharina Ernst** (Institute for Pharmacology and Toxicology), **Dr. Martina Gatzka** (Department of Dermatology and Allergology) and **Prof. Meinrad Beer** (Department of Diagnostic and Interventional Radiology) who joined in 2016 and will from now on contribute to the CRC.

We wish all of you the best for the upcoming winter semester,

*Clair Hartmann and Lucas Bettac*

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**Renewal of the CRC Homepage**

As you might have noticed, the homepage of the CRC 1149 was completely rebuilt, according to the new design of the homepage of Ulm University. The CRC 1149 would like thank Lutz Dürselen for investing lots of time and work to update our website.

[http://www.uni-ulm.de/einrichtungen/sfb-1149](http://www.uni-ulm.de/einrichtungen/sfb-1149)

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**GEROK Positions and Gender Equality Funding**

The CRC is currently funding two GEROK positions for clinical scientists, which are financed by both the CRC and the Medical Faculty. Current recipients are:

**Lucas Bettac** studied medicine in Tübingen, with stays in Stuttgart, Melbourne and Shanghai. As a physician in the Department of Internal Medicine I (Gastroenterology, Nephrology and Endocrinology), he has been holding a GEROK position since March 2016, sharing his time between the labs of Markus Huber-Lang and Thomas Seufferlein. His work focuses on the role of the non-receptor tyrosine kinase TNK1 in post-traumatic intestinal barrier dysfunction and intestinal inflammation, characterizing its role in epithelial integrity and regeneration as well as connections to toll-
like-receptor and STAT signalling.

Hannes Christow holds a GEROK position in Hartmut Geiger's group at the Institute of Molecular Medicine and Stem Cell Aging. The aim of the project "Identification of human hematopoietic and mesenchymal stem and progenitor cells in peripheral blood of traumatized patients" is to get a better understanding of the mobilization-mechanisms of different stem and progenitor cells into the peripheral blood of severely traumatized patients in the course of time. Therefore he first established a very sensitive method to identify low numbers of the cells of interest and examined a normal population to find reference-values for those cell-types in the peripheral blood.

The GEROK funding periods for Christine Brand, Martina Gatzka and Clair Hartmann ended this summer. Additionally, the CRC supports the career of female young scientist via the Gender Equality Funding:

Miriam Kalbitz (Department of Orthopaedic Trauma, Hand, Plastic and Reconstructive Surgery, Florian Gebhard)

Sabine Vettorazzi (Institute for Comparative Molecular Endocrinology, Jan Tuckermann)

Ivonne Sehring (Institute of Biochemistry and Molecular Biology, Gilbert Weidinger)

Clair Hartmann (Institute of Anesthesiological Pathophysiology and Process Engineering, Peter Radermacher)

A call for new applications for 2017 will be published soon!

3rd CRC Retreat

The last CRC retreat took place on April 11-12th in Ofterschwang. After an introduction by Florian Gebhard, the current status of the projects was presented in a series of interesting talks. It was especially inspiring to listen to junior scientists pursuing their goals and presenting the progress they have achieved. The fruitful discussions again showed that the individual projects of the CRC have grown together more and
more to form a scientific network of mutual support. Like in the last retreats, discussions carried on late into the night, again exhibiting the lively spirit of a common corporate identity.

The 4th retreat is appointed on **November 11th** at Kloster Neresheim. Please fix the date!

**9th Student Symposium on Molecular Medicine – Perspectives in Trauma Research**

On April 16\(^{th}\), the annual Student Symposium on Molecular Medicine took place at Ulm University. The symposium, organized independently by students of the bachelor and masters programs of Molecular Medicine, focuses on a different main topic each year, with this year's focus being on trauma research. As representatives of the CRC, Markus Huber-Lang and Rebecca Wiegner held talks on molecular danger management after polytrauma, alongside a lineup of high-profile international speakers.

Additional info: [http://www.molmed-symposium.de](http://www.molmed-symposium.de)
**Symposium: Ulm Trauma Research meets Hadassah/ Hebrew University**

On July 25th, Ulm University hosted a meeting with representatives of the Hebrew University/Hadassah Hospital Jerusalem. The overall aim was to exchange information about research activities and to build up collaboration between the two sites which have both a strong focus on trauma research. Dean Shlomo Sasson gave an overview about the general research and education activities at Hebrew University and highlighted the importance of connecting academic research with patient care, in particular in trauma research. With respect to the current security situation in Israel, with a rise in terrorist attacks and mass casualties, Rami Mosheiff, the head of the Orthopaedic Trauma Center, explained necessary adjustments in medical and organizational structures. Current basic and translational trauma research topics of Hebrew University were presented by Iri Liebergall, Director of the Orthopaedic Surgery Department, and Shaul Beyth, head of the research lab at the same department. Ulm University presented talks by President Michael Weber, Dean Thomas Wirth, Florian Gebhard, Peter Gierschik, Holger Barth, Tobias Böckers and Anita Ignatius. Many CRC members joined the meeting and contributed to a lively and interesting discussion. A further meeting will take place during the upcoming Conference of Orthopaedics and Traumatology (DKOU) in Berlin (October 25-28), where Israel is one of the guest nations.

**Announcements**

**German Congress of Orthopaedics and Traumatology**

We would like to inform you about the "Deutscher Kongress für Orthopädie und Unfallchirurgie" in Berlin, 25-28th October, which is chaired by Florian Gebhard and Heiko Reichel as congress presidents. It is the largest congress in the field in Europe with more than 12,000 participants and a very exciting program. Many of the scientific presentations are trauma-related and may be of interest for you as CRC member. Find more information on the website (http://dkou.org).

**Extreme Innovation Symposium**

October 14th 2016, 13:00  
Location: University of Ulm, H4/5 025

The Roselli group (Department of Neurology and Institute of Anatomy and Cell Biology) is organizing the first “Extreme innovation Symposium” at the University of Ulm. The
symposium hosts faculty from computer science, chemistry, engineering, physics, neurology and medical departments. As representatives of the CRC, Prof. Francesco Roselli, Prof. Tobias Boeckers, Prof. Peter Radermacher and Prof. Florian Gebhard will hold talks on cutting-edge topics in their respective fields. The symposium is open to all students and scientists.

https://www.uni-ulm.de/nawi/nawi-home/nawi-detailseiten/event-detail/article/extreme-innovation-symposium/

TRIM: Trauma – Regeneration – Immune-Modulation

The next round of TRIM seminars will start on October 25th. The seminars of TRIM Group VI are held every second Tuesday for PhD students of the International Graduate School of Molecular Medicine Ulm (IGradU), addressing specific research topics of the CRC. For additional information and a detailed schedule see our website.

4. CRC Retreat and 9. General Meeting

One-day status meeting
November 11th 2016
Location: Kloster Neresheim (http://www.klosterhospiz-neresheim.de)
We would especially like to announce the following guest speakers for the upcoming retreat: Prof. Christiane Waller and Prof. Stefan Reber, Clinic for Psychosomatic Medicine and Psychotherapy, and Prof. Paul Plener, Clinic for Child and Adolescent Psychiatry and Psychotherapy.

Save the date:

10. CRC General Meeting
Thursday, December 15th 2016
  16:00 Seminar (P. Radermacher – “Gaseous Mediators”)
  16:45 Meeting
As usual, after the meeting we would like to invite you to a casual Christmas get-together.
Location: Helmholtzstr. 14

5. CRC Retreat
May 21st - 23rd 2017
Location: Hotel Oberstdorf (www.hotel-oberstdorf.de)
Recent publications related to trauma research


