

Dear members and friends of the CRC 1461,

we finally present the second newsletter of 2023 together with apologies for the delay! Please continue to keep us updated with news you would like to see published on the [news-section](#) of the home-page or in the quarterly newsletter. Thank you for your feedback concerning your publications – the publication counter (p. 2 of the newsletter) made quite the jump from last time and is up and running again!

IMNeuS23 - CRC-Retreat in Münster

This year's spring retreat was different than usual as the CRC 1461 for the first time travelled to visit another CRC and have a joint symposium. Our host was the [CRC 1459 – Intelligent Matter](#) at the Center for Soft Nanoscience, University of Münster. The symposium kicked off on April 24 with talks by both CRC-speakers (Bart Jan Ravoo for CRC 1459) each introducing the structure and main research goals of their respective CRC. The talks were followed by the first of two poster sessions held by the

doctoral researchers of each CRC and an exhibition by our Science Outreach Project. The second day of the joint symposium comprised of six talks given by the researchers of both CRCs with each talk representing one of the three project groups of the respective CRC. During lunchtime the second doctoral researcher's poster session was held. The day ended with a Networking Dinner in the foyer of the Center for Soft Nanoscience. Before starting the journey back to Kiel on April 26 the CRC 1459 additionally offered the possibility to join a lab tour for interested researchers of our CRC who could choose to visit the Nanofabrication Facility or the recently opened High Resolution Cryo Electron Microscopy-infrastructure.

The CRC 1461 thanks the CRC 1459 for an amazing organization of the event and for their warm hospitality. We hope, the groundwork for one or another future collaboration was set during ImNeuS23!

Info from the Office

The annual status report 2022 was timely submitted to DFG and has been accepted recently.

Members of the CRC

Since February 2023 Thomas Meurer (B3, B4, iRTG) is the new head of the [Digital Process Engineering Group](#) at the Karlsruhe Institute of Technology. Luckily, he remains a PI in the CRC and therefore, the CRC gained a new external partner. Folke Rolf, doctoral researcher in B3, also moved to Karlsruhe to continue his research.

Petro Feketa has been a postdoc in subproject B4. He recently accepted a position as lecturer for Applied Mathematics at the School of Mathematics and Statistics at Victoria University of Wellington and moved this spring. The CRC 1461 thanks Petro for his valuable contributions and wishes him all the best for his future career!

Niklas Lundt started as a new doctoral researcher on April 1 in subproject B4 with Alexander Schaum as his supervisor. The CRC wishes him all the best for his research!



CRC 1459

**INTELLIGENT
MATTER**

1461

Last but not least we welcome Jan Steinkühler as the new W1-professor for Bio-inspired Computation in the CRC 1461. Jan obtained his PhD in biophysical research and is also an electrical engineer. He is now based at the Faculty of Engineering at Kiel University where he starts his own research group interested in combining bottom-up synthetic biology with electrical signals to generate better artificial neural networks. Most of you know Jan also from his colloquium talk on biomembranes in synthetic cell assembly in March.

News from the iRTG

The iRTG-members held their **General Assembly** on May 9, 2023. During the meeting the doctoral representatives for the iRTG-board for the term June 1, 2023 to May 31, 2024 were elected. Bakr Al Beattie (B1) who also represents the doctoral researchers at the CRC steering committee, and Niels Röhrdanz (A1) remain in the iRTG-board. The board furthermore welcomes two new doctoral representatives: Fatemeh Abshari (C3) and Alena Nierhauve (C4). Their first board meeting will be on June 22.

The year started with a new **ATM** by subprojects A1 and A4 entitled Functional Imaging in Neurobiology on February 09. The ATM was very well received by participants from all three project groups who gained insights into the application of state-of-the-art imaging approaches to decipher neuronal network topology and activity in biological systems. Now new ATMs are in the pipeline for July and three of those will be held in Bochum for the first time. Please check out Upcoming Events below and the ATM-registration in OLAT for more information!

Upcoming Events

May. 25, 2023, 16:00 h CRC 1461 Colloquium: *Moving AI Training from the Data Center to the Edge* – Suhas Kumar (Sandia National Laboratories, CA, USA)

Jun. 14 - 16, 2023 International **Summer School** in Groningen (House of Connections)

Jun. 22, 2023, 16:00 h CRC 1461 Colloquium: *Hippocampal network oscillations – patterns, mechanisms and potential ‘meaning’ of cooperative neuronal activity* – Andreas Draguhn (University of Heidelberg)

Jul. 12-13, 2023 ATM C3: *Templated gold growth and nanoparticle networks*
Check OLAT for more information and registration!

Jul. 18-21, 2023 The Bochum ATMs A1/B1/C5 (RUB):
Check OLAT for more information and registration!

Jul. 27, 2023, 16:00 h CRC 1461 Colloquium: *Title to be announced* – Petra Schwille (Max Planck Institute for Biochemistry, Martinsried)

Aug. 29, 2023 PI-Meeting: Planning of the 2nd funding period

The **CRC fall retreat** is planned for November 2023 in Kiel. Due to the preparations for the second funding period the steering committee decided on an event in person! More information on the exact date and time will follow!

Last but not least...

The next newsletter is planned for August 2023. Hopefully with some science news 😊

Until then, enjoy the spring and summer months!

Cheers, Sonja, Leonie and Hermann



CRC 1461 - Publication Performance	
Journal papers (peer-reviewed)	47
Conference papers (peer-reviewed)	18
Conference contributions	50
Total	115

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