

Dear members and friends of the CRC 1461,

welcome to our brand-new newsletter!

With this issue we would like to inform you about some past events as well as to introduce you to the general structure and contents of this newsletter. In the future we would also like to include your contributions!

Additionally, we would like to thank the CRC 1261 who shared their newsletter template with us helping us to (finally) get this newsletter on the way!

### CRC Fall Retreat

The CRC Fall Retreat took place on Oct 12-13 at Hotel Birke in Kiel and was our first opportunity to meet in person. We were very happy that so many of you joined us, especially the ones who had to travel! Fortunately, we also had the possibility to create a hybrid-solution to enable our guests who couldn't make it to Kiel to participate in the retreat. The responsible event-company did an amazing job as many of you confirmed.

We enjoyed many interesting scientific talks and posters by our doctoral researchers and postdocs that helped towards a better understanding among our projects. The presentations by our two guest speakers Julie Grollier (CNRS, Paris-Saclay) and Herwig Baier (MPI of Neuro-biology, Munich) were excellent. Furthermore, we enjoyed fruitful discussions in between talks and during the retreat-dinner.

Of course, there is always room for improvement and we will work hard on implementing your valuable feedback in the planning of future retreats.



Group photo at the CRC Fall Retreat © Julia Siekmann

### IRTG Summer School

The iRTG Summer School took place in the Fleet7 in Kiel on Oct 27-29. Most members of the iRTG were able to attend this first in-person event by and for our early stage researchers. The five-member organizing team did a great job in creating a fun and informative event for everyone with an agenda as diverse as our projects.



Group photo at the iRTG Summer School © Julia Siekmann

This included poster training, a python course, joining the CRC colloquium and guest speaker talks by Alexander Vahl on neuromorphic computing and Gerhard Schultheiß on ethics in animal testing. Last but not least

the very beneficial Ask-A-Dr-Session provided the opportunity to inquire into the doctoral phase and what comes after.



This year's organizers of the Summer School, from left to right: Jannes Freiberg, Blessing Adejube, Dijana Pavleska, Niels Röhrdanz and Jan Freiberg © Julia Siekmann

### Science News

*„I really have no idea what those guys are doing!“ is a sentence probably each of us already said (or thought) at least once since the CRC started. As one attempt to change this we created this permanent section for you to fill! We are looking forward to your contributions concerning interesting developments in your projects, written in a way that is comprehensible for non-experts in your field! Of course, there will be an additional inquiry in preparation for the next newsletter. However, any time you got an interesting piece of scientific news feel free to contact Sonja about it!*

### Info from the Office

*This permanent section will provide you with some quick reminders concerning the CRC-administration. We want to make sure that all information is spread evenly and is*

# Newsletter #1

## CRC 1461 – Neurotronics: Bio-inspired Information Pathways

available to everyone so please always contact Leonie and Sonja if anything is unclear or you get the impression you missed some piece of information! Also let us know any changes concerning the personnel involved in the administration of your projects, so we can keep the admin-mailing list up to date!

Upcoming admin-deadlines are:

Dec. 1 - 10, 2021 Submission of grant request (Q 1, 2022) by external partners

Mar. 1 - 11, 2022 Submission of grant request (Q 2, 2022) by external partners

Mar. 15, 2022 Deadline annual status report for external partners

Mar. 31, 2022 Final deadline annual status report (submission to DFG)

### Upcoming Events

Nov. 25, 2021, 16:00 h CRC 1461 Colloquium: *Memristive Materials and Devices for Neuromorphic Computing* - Joshua Yang, U Southern California

Dec. 14 - 15, 2021 ATM C3: *Templated gold growth and nanoparticle networks* – registration via Olat still possible!

And some 2022 events:

Feb. 09 - 10, 2022 ATM C4: *Preparation, analysis and evaluation of memristive/neuronal devices by means of TEM or SEM*

Apr. 27 - 28, 2022 **CRC Spring Retreat** (place to be announced)

Jun. 29 – Jul. 01, 2022 Intelligent Materials Conference (CAU Kiel)

September 2022 **CRC International Workshop** (Col- orLine)

Important dates concerning the CRC, such as upcoming retreats, summer schools and colloquia as well as conferences and important administrative deadlines you can also find in the new **CRC-Calendar** in Olat. Please contact Sonja if you would like certain events to be added. This also includes upcoming iRTG-organized “Expert meetings” that should always be announced via the newsletter.

### Publications

Please keep us informed about all your published papers and your conference contributions and make sure to ALWAYS include the official acknowledgement “**Funded by the Deutsche Forschungsgemeinschaft (DFG, German Research Foundation) – Project-ID 434434223 – SFB 1461**”. This is especially important to justify the use of CRC travel funds for your conference visits. Your published papers will be linked on the CRC-webpage and uploaded in Olat. This will also enable us to provide you with some publication statistics in this section in the future.

For now, here is a short overview over the CRC publication performance so far:

CRC 1461 - Publication Performance	
Journal papers (peer-reviewed)	10
Conference papers (peer-reviewed)	5
Conference contributions	13
<b>Total</b>	<b>28</b>

The latest published paper is *An equivalent electrical circuit for the Hindmarsh-Rose model* (Int J Circ Theor Appl. 2021; 49:3526–3539) by our colleagues from A1 Karlheinz Ochs and Sebastian Jenderny.

### Members of the CRC

The new members of the CRC since Oct 2021 are:

Wilhelm Braun – postdoc in A4  
Bakr Al Beattie – doctoral researcher in B1  
Kalpan K. Ved – doctoral researcher in B3  
Max Uhlmann – doctoral researcher in B5  
Roshani Madurawala – doctoral researcher in C2  
Sahitya Yarragolla – associated doctoral researcher in C5  
Hendrik Groß – postdoc in C6  
Christian Albers – research associate in SOP  
Insa Stamer – postdoc in SOP

A warm welcome to all of you!

### Last but not least...

Thank you for reading and we hope you enjoyed the first newsletter! Your suggestions and your own contributions are very welcome at any time! The next newsletter will be available in the third week of December!

Cheers,

Sonja, Leonie and Hermann

