

Online Lecture Series 2021
RTG-NCA | Research Training Group 1960 –
Neural Circuit Analysis on the Cellular and Subcellular Level

All lectures will take place in Zoom:

If you are interested in attending lectures of this series, please contact katerina.vlantis@uni-koeln.de to inquire the access details.

Unless indicated otherwise lectures will start at **8.30 am (sharp)** and last for approx. **60 minutes**.

For updates please consult the website: rtg-nca.uni-koeln.de/lecture-series

Monday, 18.01.2021

"Energy homeostasis and foraging behavior in the zebrafish"

Prof. Matthias Hammerschmidt

Wednesday, 20.01.2021

"Learning from insects: brain computations for autonomous agents"

Prof. Martin P. Nawrot

Monday, 25.01.2021

"Central and peripheral mechanisms for leg motoneuron control in an insect walking system"

Prof. Ansgar Büschges

Monday, 01.02.2021

"Sustained metabolic modulation of hypothalamic POMC neurons"

Prof. Peter Kloppenburg

Wednesday, 03.02.2021

"Hypotheses for the selective vulnerability of dopaminergic neurons in Parkinson disease"

Prof. Peter Kloppenburg

Friday, 05.02.2021

"From receptor to behavior: Sensory processing"

Prof. Sigrun Korsching

Monday, 08.02.2021

"Connectivity and electrical properties of an exemplary network (the olfactory bulb)"

Prof. Sigrun Korsching

Wednesday, 10.02.2021

"Imaging brain neuronal networks in disease"

Prof. Alexander Drzezga

Wednesday, 12.02.2021

"Shaping neuronal circuits by membrane trafficking"

Prof. Natalia Kononenko

RTG-NCA Online Lecture Series, 2021

Friday, 19.02.2021

“Mechanisms of axonal maintenance and degeneration”

Prof. Elena Rugarli

Wednesday, 24.02.2021

“Connectomics analysis of neuronal circuits using the fruit fly Drosophila”

Prof. Kei Ito

Monday, 01.03.2021

“Spinal muscular atrophy: from gene and modifiers to therapy”

90 minutes lecture

Prof. Brunhilde Wirth

Wednesday, 03.03.2021

“Neural dynamics of innate behaviors”

Prof. Tatiana Korotkova

Friday, 05.03.2021

“CNS-dependent control of metabolism”

Prof. Jens C. Brüning

Monday, 08.03.2021

“The complexity of the ion channel repertoire: Why does it need to be so complex”

Prof. Ansgar Büschges

PhD candidates and all interested scientists beyond the RTG-NCA are cordially invited to attend the lecture series. Certificates of attendance will be issued upon request.

To request for a **certificate of attendance**, please contact katerina.vlantis@uni-koeln.de **after the last lecture on 03.03.2020** and indicate your full name as it should appear on the certificate.

Certificates will include the title of individual lectures and will be issued if they are attended for their entire duration.

General Information on Zoom Etiquette:

Please, when you log in, enter your full name, turn your cameras on and mute the microphone. It's not allowed to share zoom links and access details for participation with unauthorised third parties. Screen and audio recording, including screen shots, are not allowed from any side.