

GRK2162

October 4th – 6th 2022

Symposium

„Developmental Processes in
CNS Plasticity and Pathogenesis“

Venue:

Max Planck Institute for the Science of Light
Staudtstrasse 2, 91058 Erlangen

Registration Deadline 31st of August

Tuesday Oct. 4th

2.00 pm Registration and Poster setup

3.15 pm Welcome

3.30 pm **Keynote:** David Rubinsztein University of Cambridge, UK
„P97/VCP and autophagy“

4.30 - 5.00 pm Coffee Break and Poster setup

Session 1 Homeostasis

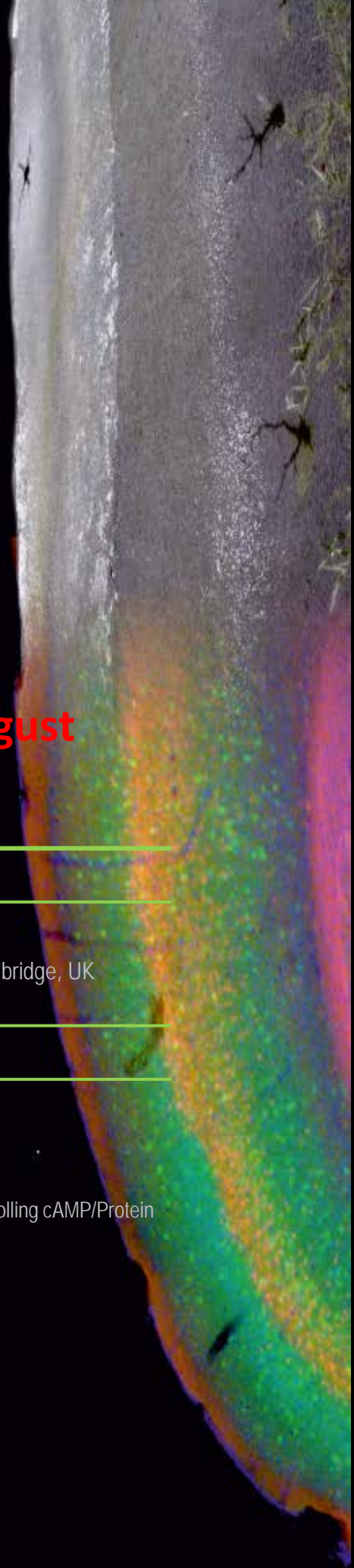
Chair: tba

5.00 pm Natalia Kononenko University of Cologne, DE
“Autophagy regulates neuronal excitability by controlling cAMP/Protein Kinase A signaling”

5.30 pm PhD short talk
tba

5.45 pm PhD short talk
tba

6.00 pm Tba
tba



Wednesday Oct. 5th

8.00 am **Registration and Poster setup**

Session 2 Immunology

Chair: tba

8.30 am **Andreas Vlachos** Albert-Ludwigs-Universität Freiburg, DE
„Tumor necrosis factor alpha (TNF α) modulates synaptopodin-dependent synaptic plasticity“

9.00 am **Deepak P. Srivastava** King's College London, UK
tba

9.30 am **Martin Kerschensteiner** LMU Munich, DE
„CRISPR-based dissection of inflammatory CNS lesion formation“

10.00 am **PhD short talk**
tba

10.15 -10.45 am **Coffee Break**

Session 3 Epigenetics

Chair: tba

10.45 am **Hongjun Song** University of Pennsylvania, Philadelphia, US
“Continuous neurogenesis in the mammalian hippocampus across the lifespan“

11.15 am **Johan Holmberg** Karolinska Institute Stockholm, SE
“PRC2-mediated repression is essential to maintain identity and function of differentiated dopaminergic and serotonergic neurons“

11.45 am **Alexi Nott** Research Institute at Imperial College London, UK
“Brain cell-type regulatory landscapes and associations with disease“

12.15 pm **PhD short talk**
tba

12.30 - 2.30 pm **1st Poster Session and Boxed Lunch**

Session 4 Oligodendrogenesis

Chair: tba

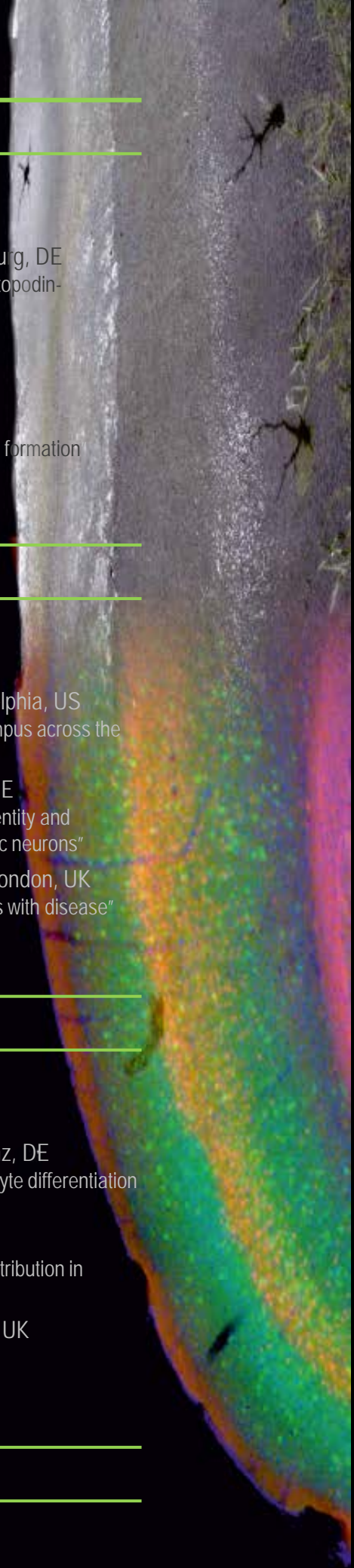
2.30 pm **Claire Jacob** Johannes Gutenberg University Mainz, DE
“Learning from Schwann cells to promote oligodendrocyte differentiation and plasticity after lesion“

3.00 pm **Dies Meijer** The University of Edinburgh, UK
“Mechanisms of Voltage-Gated Potassium Channel distribution in myelinated axons“

3.30 pm **William D. Richardson** University College London, UK
tba

4.00 pm **PhD short talk**
tba

4.15 - 4.45 pm **Coffee Break**



Wednesday Oct. 5th

Session 5

Neurogenesis

Chair: tba

4.45 pm

Guo-Li Ming University of Pennsylvania, Philadelphia, US
"Harnessing intrinsic properties for engineering human brain-region specific organoids using induced pluripotent stem cells"

5.15 pm

PhD short talk
tba

5.30 pm

Daniel Berg University of Aberdeen, Scotland, UK
"The Development of an Adult Neurogenic Niche"

6.00 pm

Sebastian Jessberger University of Zurich, CH
"Molecular and functional heterogeneity of neural stem cells"

Thursday Oct. 6th

8.30 - 9.00 am

Coffee and Poster setup

Session 6

Circuit Formation and Maintenance

Chair: tba

9.00 am

Sabine Liebscher LMU Munich, DE
"Exciting complexity: Circuit mechanisms of cortical hyperexcitability in ALS"

9.30 am

Ph.D. short talk

Sriity Melley Sadanandan FAU Erlangen-Nuremberg; DE
"Impact of activin signalling on hippocampal GABAergic inhibition and its effects in neuropsychiatric disorders"

9.45 am

PhD short talk
tba

10.00 - 12.00 am

2nd Poster Session and Coffee Break

12.00 am

Michel Aimé Picardo Institute of Neurobiology, Marseille, FR
"The rapid developmental rise of somatic inhibition disengages hippocampal dynamics from self-motion"

12.30 am

Simon T. Schäfer Technical University of Munich, DE
"Modeling Neuro-Immune Interactions under Physiological Conditions: A novel Organoidbased Approach for Studying Human Environment-dependent Microglia Phenotypes"

12.45 am

Tomohisa Toda German Center for Neurodegenerative Diseases, DE
"Roles of nuclear structural proteins in the maintenance of brain function"

1.00 - 1.15 pm

Wrap up - End of Meeting
