

PANOS Spring Meeting 25 March 2022 – online (Tübingen)

09:00 – 09:15	Welcome note
9:15 – 10:00	Rick Webb (University of Queensland, Australia): “Planning a TEM study - what to consider.”
10:00 – 10:15	Coffee break
10:15 – 11:00	Bruno Humbel (Okinawa Institute of Science and Technology, Japan): “Cry for Cry?”
11:00 – 11:45	Paul Walther (Ulm University): „The diverse applications of scanning electron microscopy in life sciences“
11:45 – 13:00	Lunch break/coffee, individual discussions
13:00 – 14:20	Session chairs: Gunar Fabig (TU Dresden)/ Eric Seemann (University Hospital Jena)
13:00	Carsten Dittmayer (Charité, Department of Neuropathology, Berlin): “Preparation of samples for large-scale transmission and scanning electron microscopy”
13:20	Georg Kislinger (German Center for Neurodegenerative Diseases, DZNE, München): “ATUM-Tomo: Development of a combination of ATUM-SEM and TEM-Tomography”
13:40	Ana Laura Sousa (Instituto Gulbenkian de Ciência, Oeiras, Portugal): “Histo-CLEM – A CLEM Workflow for Tissues”
14:00	Rabia Ilyas (Julius-Kühn-Institut, Braunschweig): “Using electron microscopy to uncover latent plant viruses”
14:20 – 14:45	Coffee break
14:45 – 15:10	PANOS business and report on other activities
15:10 – 16:30	Session chair: Anna Steyer (EMBL Imaging Centre, Heidelberg)
15:10	Leonie Schadt (MPI for Multidisciplinary Sciences, Göttingen): “Comparative morphology of mitochondria in optic nerve and cell body of retinal ganglion cells in the Plp- deficient mouse”
15:30	Karel Mocaer (EMBL, Heidelberg): “Diving into phytoplankton's ultrastructure“
15:50	Sophie Hümmert (MPI for Multidisciplinary Sciences, Göttingen): “Using SEM to guide TEM imaging of large biological samples”
16:10	Andrea Santuy (Hertie Institute for Clinical Brain Research, Tübingen): “Combining EM and electrophysiology to decipher synaptic plasticity in human neurons”
16:30 – 16:40	Concluding remarks, plans for the following PANOS meeting