



Institute colloquium

4-year Institute Colloquium: Johann Georg Danzl

Johann Georg Danzl

Host: Michael Sixt

Biomolecular organization determines the functional repertoire of living systems; it requires exquisite orchestration spanning the scales of molecules and their assembly into cellular machineries, to cells, tissues, organs, and organisms. My research group focuses on developing novel technologies to decode the architecture and dynamics of biological systems and to reveal previously inaccessible information about them. Here I will discuss our ongoing projects including development of technologies to map synapses and other subcellular structures within their tissue context. We have furthermore developed an integrated super-resolution imaging and data analysis workflow to reconstruct living brain tissue in silico. I will give an outlook on how we seek to chart proteins with cryo-microscopy of near-natively preserved cells at single-digit nanometer 3D-precision.

Monday, November 22, 2021 04:00pm - 05:00pm

Raiffeisen Lecture Hall



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

Please find a schedule of the ISTA Shuttle on our webpage:

<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.