

EINLADUNG

Kolloquium
Sommersemester 2024

Dr. rer. nat. Oliver Glomb

Institut für Klinische Anatomie
und Zellanalytik,
Universität Tübingen

hält am Dienstag den **04.06.2024**,
um 13:00 Uhr, am Campus Riedberg,
Biologicum, **Hörsaal 1 (-1.202)**
einen Vortrag über:

“On the slow lane: Axonal transport of the cytoskeletal protein Spectrin”

The continuous supply of novel synthesized cytoskeletal proteins from the cell body maintains neuronal function. This supply is mediated by the slow axonal transport route, a trafficking mechanism that remains poorly characterized. We developed a temporally controlled labeling approach that allows us to study this trafficking route in neurons of a living nematode and applied it to visualize the axonal transport of the cytoskeletal scaffold Spectrin. Our study revealed an unexpected slow transport mechanism and identified regulators that suggest a homeostasis between the axonal transport of spectrin and its subsequent assembly into the cytoskeletal lattice.



Einladende:
Prof. Dr. Stefan Eimer und Prof. Dr. Alexander Gottschalk