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**UNIVERSITÄT
BERN**

Seminar über Biomedizinische Photonik

Referent/in: Herbert Schneckenburger, Institute of Applied Research, Aalen University,
73431 Aalen, Germany

Titel: **Challenges of Fluorescence Microscopy in Life Sciences**

Fluorescence microscopy is one of the most widely used methods in studies of living cells and organisms, since it combines information on structure and metabolism. Specific challenges are 3D microscopy and tomography of extended specimens as well as super-resolution techniques below the Abbe or Rayleigh criterion. Promising techniques include spectral imaging, fluorescence lifetime imaging (FLIM) and laser micromanipulation. Since phototoxicity or damage of living specimens has to be avoided, light exposure is a main criterion for selection of individual methods.

Zeit: Mittwoch, 27.10.2021, 10:15 AM

Ort: Hörsaal A97, Gebäude Exakte Wissenschaften, Sidlerstrasse 5, Bern, Schweiz

or via Zoom

Zoom-Meeting beitreten

<https://ethz.zoom.us/j/65114308507> Meeting-ID: 651 1430 8507