

Focus on Microscopy 2015

Event - Focus on Microscopy 2015

Title	Focus on Microscopy 2015
When	So, 29. März 2015 - Mi, 1. April 2015

Description

Focus on Microscopy 2015

Focus on Microscopy 2015 is the continuation of a yearly conference series presenting the latest innovations in optical microscopy and their application in biology, medicine and the material sciences.

Key subjects for the conference series are:

- theory and practice of 3D optical imaging
- related 3D image processing
- reporting especially on developments in resolution and imaging modalities

The conference series covers also the rapidly advancing fluorescence labeling techniques for confocal and multi-photon 3D imaging of -live- biological specimens. Typical topics of the present and upcoming FOM conference will include:

- Theory and practice of confocal and multiphoton-excitation microscopy
- Super-resolution, nanoscopy imaging: from PSF engineering (4pi, SIM, STED), fluorescent activation/quenching, stochastic/centroid (PALM, STORM, GSDIM, SOFI and related techniques) to TIRF
- 3D and 4D live cell and tissue imaging
- Adaptive optics for microscopy
- Developments in phase/interference microscopies
- Light sheet microscopy
- Advanced fluorescence imaging/spectroscopy: FRET, FRAP, FLIM, FCS
- New fluorescence probes, proteins, quantum dots, single molecule imaging
- Coherent non-linear microscopies: SHG, THG, SFG, CARS.
- Developments in phase/interference microscopies
- Multi-dimensional fluorescence and Raman spectroscopy imaging
- Correlated light/electron microscopy
- Laser manipulation and tracking, photo-activation
- Bio- and nanomaterials, biosensors • OCT, endoscopy
- Fast acquisition, automated and high-content microscopy
- 3D image processing and visualization for multidimensional data

Please find more information by following Link:

<http://www.focusonmicroscopy.org/>

Venue - Göttingen

Location	Göttingen
City	Göttingen
Country	DE