# 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 |