

focused on ImageJ, MATLAB and CellProfiler

When? August 29th - September 3rd, 2010

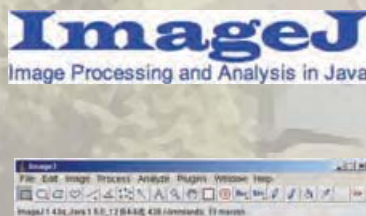
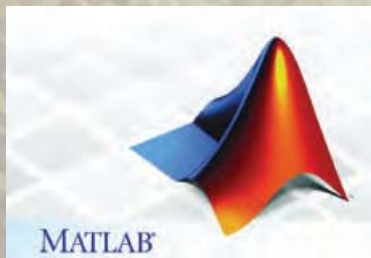
Where? Tagungszentrum Bibelheim Männendorf
Hotel Pension am Zürichsee, Hofenstrasse 41, CH-8708 Männendorf / Zürich



Required: bring your laptop!

No previous ImageJ/MATLAB programming experience required.

Registration: <http://www.lmc.ethz.ch/Teaching/ipss>



Course topics

- Basics of ImageJ/MATLAB programming
- Introduction to Image Processing
- Image Analysis (Segmentation, Classification, Tracking)
- Image Enhancement (Histogram operations, Filtering, Morphology)
- Image Restoration (Deconvolution)
- Image Synthesis (Stitching, Registration, Visualization)
- High-Content Screening

Lecturers

Daniel Gerlich (ETH Zurich)
Peter Horvath (ETH Zurich)
Petros Koumoutsakos (ETH Zurich)
Petra Perner (IBal Leipzig)
Aaron Ponti (FMI Basel)
Daniel Sage (EPF Lausanne)
Olaf Ronneberger (LMB Freiburg)
Ivo Sbalzarini (ETH Zurich)
Michael Unser (EPF Lausanne)
Thomas Walter (EMBL Heidelberg)

Organizers

Gabor Csucs (ETH Zurich)
Peter Horvath (ETH Zurich)
Aaron Ponti (FMI Basel)
Patrick Schwarb (FMI Basel)