

Registration:

The first day of the symposium is free. Please register in advance. The fee for the workshop is 30€. We ask you to send us a letter of research interests and CV with a recent list of publications along with your application.

I would like to attend the lectures, December 9, 2004.

I would like to attend the workshop, December 10, 2004. I am enclosing my research interests letter, CV and list of publications.

Name:

Institution:

Address:

Tel:

E-mail:

Send applications to:

Ms. Eva Albero
Rudolf-Virchow-Center
Versbacher Str. 9
97078 Würzburg, Germany

Location:

All events will take place at the

Rudolf-Virchow-Center
DFG Research Center for
Experimental Biomedicine
University of Würzburg
Versbacher Str. 9
97078 Würzburg
Germany



Contact:

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For more information, visit
our website:
www.dynamicmicroscopy.de

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Dynamic Microscopy 2004

December 9/10, 2004

Rudolf-Virchow-Center /
DFG Research Center
for Experimental
Biomedicine
University of Würzburg
Germany

Description:

What it is:

“Dynamic Microscopy 2004” is a microscopy symposium and workshop, introducing our newly established Center for Microscopy at the University of Würzburg.

What we want:

Our goal is to introduce and present the most modern optical microscopy techniques to a multi-disciplinary audience from the medical and natural sciences.

How we do it:

The first day of the workshop, December 9, features a series of lectures by internationally renowned speakers.

The second day of the workshop will be a “hands-on” programme to learn the techniques with new and unique microscopes in our center.



Programme:

December 9, 2004,
9:30 to 18:00

Molecular Imaging

Dr. Gerhard Schütz, University of Linz,
Linz, Austria:
Single-molecule microscopy

Dr. Manuela Zaccolo, University of
Padova, Padova, Italy:
cAMP and calcium biosensors with
FRET

Dr. Tomasz Zal, Scripps Research
Institute, La Jolla, USA:
Imaging T-cell activation by
quantitative FRET microscopy

Dr. Martin Heisenberg, University of
Würzburg:
Imaging the Drosophila brain

Imaging Cancer

Dr. Katarina Wolf, University of
Würzburg:
Imaging pericellular proteolysis in
cancer invasion

Dr. Jeff Segall, Albert Einstein
College, New York, USA:
Intravital imaging of cancer invasion
by multiphoton microscopy

Dr. Aladar Szalay, University of
Würzburg:
Whole mouse imaging of cancer
- tumors and metastases

Keynote Lecture:

Dr. Jennifer
Lippincott-
Schwartz, NIH,
Bethesda, USA:

How proteins move in
cells: visualizing protein dynamics
and function through photobleaching
and photoactivation



Practical Course:

December 10, 2004,
9:00 to 18:00

Covering the newest topics in dynamic microscopy:

- Fluorescence Recovery After Photobleaching (FRAP)
- Single-molecule Fluorescence Microscopy
- Dynamic Fluorescence Confocal Microscopy
- Multiphoton Microscopy