

DANISH BIOIMAGING NETWORK NEWSLETTER

November 2018: Highlight

NETWORK NEWS

If you still have not participated, please support our new initiative and answer the survey (it takes 1 minute):

We would like to share knowledge in our bioimaging communities. Therefore, we would like to ask you to participate in a very short survey: [Topics you are interested to learn about, see the technique and participate in workshops](#)

Contact Us

info@danishbioimaging.dk

Next Cross-institutional course will take place in the fall semester 2019.

The **Cross Institutional Bioimaging Ph.D. course** will be given by a series of lecturers who are experts within each their field of bioimaging. The course will take place at different institutions to expose the students to different research groups, researchers and experimental research facilities.

The course is relevant for PhD students within medicine, physics, chemistry, biochemistry, molecular biology, nanobioscience, pharmaceutical sciences, agricultural science or biology. The emphasis of the course is a tour of all bioimaging techniques available in Denmark and will cover subjects like live cell imaging, spinning disk microscopy, electron microscopy, photoactivated localization microscopy, single particle techniques, structured illumination, stimulated emission depletion microscopy, imaging of neurons and cell migration. The course is 10 ECTS points.

More info can be found on the [course webpage](#)

To sign up for the course, please email vita@sdu.dk

CONFOCAL SUPER RESOLUTION

OLYMPUS

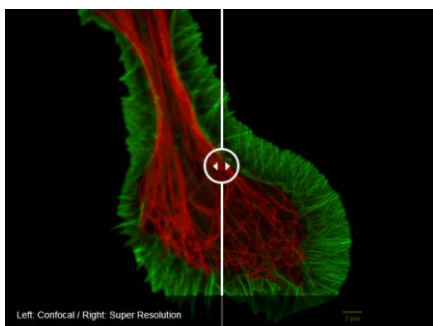


Image courtesy of: Dr. Kaoru Katoh, Biomedical Research Institute, National Institute of Advanced Industrial Sciences and Technology (AIST)

For all live cell samples

- Super resolution down to 120nm XY resolution
- Prolonged cell viability in confocal time-lapse imaging
- Switch between wide-field, confocal and super-resolution observations
- Accurate 3D reconstruction with Olympus silicone oil immersion objectives



Live Cell/
Time-Lapse



3D



High Speed
Confocal



Low
Phototoxicity



Automated
Microscopy



Multi-Channel
Fluorescence



Learn more:

[Laser Scan Confocal](#) | >>

Learn more:

[Spinning Disc Confocal](#) | >>

For more information on our special LSM campaign, call

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There is one advertisement slot in each newsletter, contact info@danishbioimaging.dk to book it.

Cross institutional Bioimaging course program, Fall semester 2019

Date	Title	Location
Monday September 9	Fluorescence Microscopy, two photon and Image Analysis	SDU
Monday September 16	Confocal Microscopy	KU
Monday September 23	Non-invasive imaging modalities (PET-SPECT-CT-R)	SDU/OUH
Monday September 30	Live imaging in yeast, plants and mammalian cells	KU
Monday October 7	Image Analysis	KU
Monday October 21	Single particle & Fluorescent Proteins	AU
Monday October 28	Super-resolution, STED, ICS and Raman	SDU
Monday November 4	Image analysis	DTU
Monday November 11	EM	KU
Monday November 18	Preparation for the exam	Home :)
Monday November 25	Evaluation and Student Talks	KU/SDU

OPEN CALLS (NEW SECTION AT THE WEBPAGE)

- [Janelia Research Campus Undergraduate Scholars Program](#): All living expenses including housing, food, and travel to and from Janelia are covered by the program. Students also receive a stipend of \$5,000 for the 10-week period.
- **#LOCAL** [DBI Open Call 2018/19](#) to promote interactions between network members, for example for courses, meeting and seminars. Applications are welcome for 3.000 – 10.000 DKK.
- [Short Term Scientific Missions \(STSMs\) to support Early Career Investigators \(ECIs\) and Experienced BioImage Analysts](#), NEUBIAS. Applications reviewed at the end of each month.

COURSES (MORE ONLINE)

- **#LOCAL** [Biophotonics PhD course](#), Odense, January 21-25
- [10-Day Practical Course on Advanced Optical Microscopy for Cell Biology](#), Plymouth, UK, March 27-April 6, 2019
- [Confocal Microscopy Course](#), York, UK, April 2-5, 2019
- [High-Accuracy CLEM: Applications at Room Temperature and in cryo](#), Heidelberg, Germany, April 7-14, 2019
- **#LOCAL** [Cross Institutional Bioimaging PhD course](#), September-November 2019

CONFERENCES AND WORKSHOPS (MORE ONLINE)

- **#LOCAL** [Membrane Imaging: Structure and Dynamics in cells and models](#), December 4, 2018. SDU, Odense, Denmark
- **See EMBL Annual poster in the end of the newsletter**
- [The 3rd NEUBIAS Conference](#), February 2-8, Luxembourg

- [18th Annual Workshop on FLIM and FRET Microscopy](#), March 11-15, Charlottesville, USA
- [Focus on Microscopy 2019](#), London, UK, April 14-17, 2019
- [Frontiers in Imaging Science II](#), Janelia, May 5-8, 2019, Ashburn, VA, USA
- [Seeing is Believing – Imaging the Molecular Processes of Life](#), Heidelberg, Germany, October 9-19, 2019
- **#LOCAL [EMC 2020 – European Microscopy Congress 2020](#), Copenhagen, August 23-28, 2020**

SEMINARS

- **#LOCAL [Superresolution and nanoparticles](#)**, Mærsk tårnet, KU 20th November 2019

JOB OPPENING

- [Investigator – Cryo-EM Image Analysis](#), Madison, USA
- [Image analyst / Light microscopy specialist](#), Munich, Germany
- For more position visit https://www.danishbioimaging.dk/?post_type=jobs

WORK GROUPS CONTACT INFORMATION

WG1: Image Analysis tools and data management

Sune Darkner, DIKU – darkner(at)di.ku.dk

WG2: Pre-clinical imaging

Eastern Denmark: Henrik El Ali, KU – helali(at)sund.ku.dk

Western Denmark: Michael Pedersen, AU – michael(at)clin.au.dk

WG3: Electron Microscopy

Casper Hempel, DTU, Nanotech – cash(at)nanotech.dtu.dk

Alexander Shulz, KU-SCIENCE – als(at)plen.ku.dk

WG4: Light Microscopy

Aarhus/Aalborg – Morten Nielsen, AU – mn(at)biomed.au.dk

Odense – Jonathan Brewer, SDU – brewer(at)memphys.sdu.dk

WG5: Correlation and connectivity please come forward if you would like to join

WG6: Training and knowledge exchange

Jutta Maria Bulkescher, SUND-KU – jutta.bulkescher(at)sund.ku.dk

DBI coordinator: Vita Solovyeva vita(at)sdu.dk

