

# DBI NEWSLETTER

August 2019

## NETWORK NEWS

Bioimaging Cross-institutional PhD course:

First day the 9<sup>th</sup> of September.

More info on the [course](#)

To sign up for the course, email [vita@sdu.dk](mailto:vita@sdu.dk)

1 seat left! Hurry up 😊

Deadline 27.08.2019

**22-23 of October, Aarhus [REGISTRATION](#)  
[Danish Bioimaging Network meeting](#)**



## Confirmed speakers:

Thomas Walter (22.10.2019), “**Machine Learning for computational phenotyping**”, Institut Curie – Centre de Recherche, France

Christian Eggeling (23.10.2019), “**Lipid plasma membrane dynamics - a super-resolution microscopy perspective**”. Leibniz Institute of Photonic Technology, Jena, Germany and University of Oxford, UK

**Christoffer Laustsen**, Department of Clinical Medicine - The MR Research Centre, Aarhus University and Aarhus University Hospital

**Henning Friis Poulsen**, Department of Physics, DTU

**Kenneth Lindegaard Madsen**, Department of Neuroscience and Pharmacology, Faculty of Health Sciences, KU

**Mathias Porsmose Clausen**, Department of Chemical Engineering, Biotechnology and Environmental Technology, SDU

**Søren Egedal Degn**, Department of Biomedicine, Aarhus University

**[REGISTRATION](#)** You can submit an abstract for a talk or for a poster. Participation is free for DBI members.

**Deadline for talks: 1st of September 2019**

**for posters: 1st of October 2019.**

## NETWORK NEWS

- New workgroup leaders: Jan Henrik Ardenkjær-Larsen, DTU for **Pre-clinical imaging East**, Klaus Qvortrup, KU for Electron Microscopy, Eva Arnspang Christensen, SDU, for **Light Microscopy East** and Christian Garm, AU, for **Light Microscopy West**.
- We are looking for news leaders for the workgroups:
  - **WG1 Image analysis tools and data management**
  - **WG6 Training and knowledge exchange**

If you are interested, please send an email to [vita@sdu.dk](mailto:vita@sdu.dk)

- New resource for the imaging community: a forum for discussions on specimen, hardware and acquisition aspects of scientific imaging, such as theory and practical use of optical microscopes and detectors, fluorescent proteins & probes. [Microforum](#)

## OPEN CALLS

- **2 conference grant sponsored by Danish Bioimaging for young researchers to participate in [Biological and pharmaceutical applications of CRS microscopy conference](#), Odense, December 2-4.**
- #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.
- [COST action Short-Term Scientific Missions](#)
- [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 [Cross Institutional Bioimaging PhD course](#), September-November 2019 (**1 place left**), registration deadline 27.08.2019
- [Superresolution in Light Microscopy](#), 25-27 November , Prague, Czech Republic
- #LOCAL [Biophotonics PhD Course](#), SDU, January 20-24, 2020 (**2 places left**)
- [Deep Learning for Image Analysis](#), EMBL, Heidelberg, Germany, January 20-24, 2020

## CONFERENCES AND WORKSHOPS ([MORE ONLINE](#))

- **#LOCAL [Danish Bioimaging network meeting, October 22-23, Aarhus](#)**
- [MIAP ZEISS OAD & APEER Workshop Expanding the ZEISS Microscopy Platform, 4-7 of November](#), Freiburg, Germany
- #LOCAL [Biological and pharmaceutical applications of CRS microscopy plus CARS workshops](#), December 2-4, Odense
- [Biomembrane Days](#), December 11-13, Berlin, Germany
- [Multiphoton Microscopy in the Biomedical Sciences XX](#), February 1-6, 2020, San Francisco, USA
- [NEUBIAS, the Network of European BioImage Analysts 2020](#), February 29-March 6, Bordeaux, France
- [Focus on Microscopy 2020 FOM](#), Osaka, Japan, 5-8 of April 2020
- #LOCAL [EMC 2020 – European Microscopy Congress 2020](#), Copenhagen, August 23-28, 2020

## SEMINARS AND DEMOS

### JOB OPPENING (CHECK OUR WEBPAGE FOR MORE POSITIONS)

- [Scientist in Microscopy Automation and Image Analysis](#), Heidelberg, Germany
- [Team Leader in Advanced Light Microscopy Service and Technology Development – EMBL Imaging Centre](#), Heidelberg, Germany
- [Team leader in Electron Microscopy Service and Technology Development – EMBL Imaging Centre](#), Heidelberg, Germany
- [Up to 5 positions now available within the ENLIGHTEN fellowship program \(MSCA-COFUND action at ICFO\)](#). Barcelona, Spain

### WORK GROUPS CONTACT INFORMATION

#### **WG1: Image Analysis tools and data management**

Please let us know if you want to be a leader of this work group

#### **WG2: Pre-clinical imaging**

Eastern Denmark: Jan Henrik Ardenkjær-Larsen, DTU – [jhar\(at\)dtu.dk](mailto:jhar@dtu.dk)

Western Denmark: Michael Pedersen, AU – [michael\(at\)clin.au.dk](mailto:michael@clin.au.dk)

#### **WG3: Electron Microscopy**

Casper Hempel, DTU, Nanotech – [cash\(at\)nanotech.dtu.dk](mailto:cash@nanotech.dtu.dk)

Klaus Qvortrup, KU, [qvortrup\(at\)sund.ku.dk](mailto:qvortrup@sund.ku.dk)

#### **WG4: Light Microscopy**

Western Denmark: Christian Garm, AU – [christian.garm\(at\)biomed.au.dk](mailto:christian.garm@biomed.au.dk)

Eastern Denmark: Eva Arnspang Christensen, SDU – [Arnspang\(at\)kbm.sdu.dk](mailto:Arnspang@kbm.sdu.dk)

#### **WG5: Correlation and connectivity**

Jane Nøhr, BioPeople – [jane.noehr\(at\)biopeople.ku.dk](mailto:jane.noehr@biopeople.ku.dk)

#### **WG6: Training and knowledge exchange**

Please let us know if you want to be a leader of this work group

**DBI coordinator:** Vita Solovyeva [vita\(at\)sdu.dk](mailto:vita@sdu.dk)



# Danish Bioimaging Network Annual Meeting



Aarhus, 22<sup>nd</sup>-23<sup>rd</sup> October 2019 AARHUS UNIVERSITY

## Confirmed speakers:

**Thomas Walter (22.10.2019)**, Institut Curie – Centre de Recherche, France

**Christian Eggeling (23.10.2019)**, Leibniz Institute of Photonic Technology, Jena, Germany and University of Oxford, UK

**Christoffer Laustsen**, Department of Clinical Medicine, AU and Aarhus University Hospital

**Henning Friis Poulsen**, Department of Physics, DTU

**Kenneth Lindegaard Madsen**, Faculty of Health Sciences, KU

**Mathias Porsmose Clausen**, Department of Chem. Eng. SDU

**Søren Egedal Degn**, Department of Biomedicine, AU

## Hands-on workshops on the 23rd of October:

- QIM: the center for quantification of imaging data from MAX IV, which focus on 3D images microscopic images
- Super resolution microscopy
- High content screening Olympus
- Zeiss on ZEN software; tips, tricks and use in general
- Bionordika on antibody validation
- High Throughput Imaging and 3D cellular models, PerkinElmer

[www.danishbioimaging.dk](http://www.danishbioimaging.dk)

## Organizers and contacts:

Michael Pedersen and Morten Schallburg Nielsen, Aarhus University  
Danish Bioimaging Network [info@danishbioimaging.dk](mailto:info@danishbioimaging.dk)

## Visit the meeting page and register

<https://www.conferencemanager.dk/DBI-meeting2019/>

Registration deadlines: 1<sup>st</sup> of September for talks, 1<sup>st</sup> of October for posters





# Biological and pharmaceutical applications of CRS microscopy

Odense, Denmark, 2nd-4th December 2019

**The Coherent Raman Scattering (CRS) conference in Odense** is focused on Biological and Pharmaceutical applications of CRS microscopy. **The overarching goal of the conference will be to bring together the CRS microscopy community to facilitate exchange of knowledge between users and instrument developers.**

The main focus of the conference will be on pharmaceutical and life science orientated applications such as drug delivery, cancer diagnostics, cell and tissue imaging. However, topics such as biomedical, food, and materials science will also be covered and are welcome.

The three-day meeting will be followed by a half day hands-on workshop for Ph.D. students and others interested, where participants will learn how to operate a CARS microscope, how to prepare samples and analyze the obtained data.

## Open session topics

- New developments in CRS microscopy
- Applications of CRS microscopy
- Pharmaceutical applications of CRS and Raman microscopy
- Bioimaging in skin
- Other chemically specific imaging techniques.

## Important dates

Registration and abstract submission start: April 15th, 2019

Early bird registration deadline: September 10th, 2019

Hotel cancellation deadline: October 1st, 2019

Deadline for abstract submission: October 15th, 2019

## Confirmed invited speakers

- **Andreas Zumbusch**, Universität Konstanz, Germany (Keynote speaker)
- **Natalie Belsey**, National Physical Laboratory, UK
- **Val Brunton**, The University of Edinburgh, UK
- **Richard Guy**, University of Bath, UK
- **Oleksii Ilchenko**, Technical University of Denmark, Denmark
- **Minbiao Ji**, Fudan University, Shanghai, China
- **Hakan Keles**, GSK Medicines Research Centre, London, UK
- **Volker Schweikhard**, Leica Microsystems, Mannheim, Germany
- **Clare Strachan**, University of Helsinki, Finland

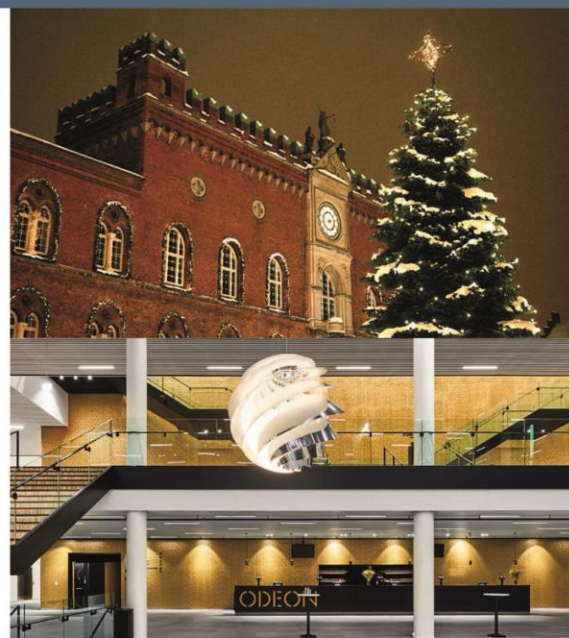
## International organizing committee

- **Minbiao Ji**, Fudan University, Shanghai, China
- **Clare Strachan**, University of Helsinki, Finland
- **Andreas Zumbusch**, Universität Konstanz, Germany

## Local organizers

- **Jonathan Brewer**, University of Southern Denmark, Odense, Denmark
- **Vita Solovyeva**, University of Southern Denmark, Odense, Denmark

For inquiries, please write to Vita Solovyeva: [vita@sdu.dk](mailto:vita@sdu.dk)



Visit our website for more information and registration  
[CRS-microscopy2019.sdu.dk](http://CRS-microscopy2019.sdu.dk)

## Sponsors

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