

Panel of Core Facilities meeting

Online meeting (Teams)

November 7th from 13:00 to 14:30

Participants

Thomas Hartig Braunstein (THB), Clara Prats (CP), Sebastian J Kjeldgaard-Nintemann (SKN), Nynne Christensen (NC), Anna Lorentzen (AL), Nina Burmeister (NB), Sonia Diaz Garcia (SDG), Peidi Xu (PX), Richard de Mets (RM), Ole Vang (OV), Cristiano Di Benedetto (CB), Marie Karen Tracy (MKT), Julia Katharina Mertesdorf (JKM), Morten Frenndø Ebbesen (MF), Chris Dinant (CD), Tiina Naumanen Dietrich (TND).

Agenda

- [Welcome](#) - Thomas Hartig Braunstein (THB)
- [Pegagogy course with Sylvie Le Guyader](#) – Anna Lorentzen
- [Nina's visit to Janelia Research Campus](#) - Nina Burmeister
- [Expertise searchable tool developed by Chris Dinant – Status of the implementation](#) – Richard de Mets
- [Euro bioimaging representatives – Who wants to stand for the Chair functions](#) – THB
- [Updates on Eurobioimaging](#) - THB
- [DBI PhD Cross institutional course](#) - Morten Frenndø Ebbesen
- [Outreach activities](#) – Sonia Diaz
- [M2H Bootcamp](#) – Clara Prats
- [DBI-INFRA IACF](#) - Peidi Xu
- [Next DBI meeting](#) _ All
- [AOB](#)

Welcome and Pedagogy course with Sylvie Le Guyader

Thomas Hartig Braunstein (THB) chaired the meeting based on the points presented in the mail sent to all the participants prior to the meeting. The first topic on the agenda was the online pedagogy course hosted by Danish BioImaging and led by Sylvie Le Guyader, Senior Research Infrastructure Specialist at Karolinska Institutet. Thus, Anna Lorentzen (AL) gave an update on the workshop, which was designed to help to advance the technology pedagogy skills in microscopy training.

During this 2-hour workshop, the 30 participants received practical pedagogical tips and varied teaching structures such as theoretical background, practical tips, groupwork, different visual representations, verbal presentation, use of written forms, interactive feedback tools (such as Menti), and additional resources and links.

An action point discussed during the meeting is to create a page with educational materials on the Danish BioImaging website.

Attached find Anna's slides presented at the meeting.

Nina's visit to Janelia Research Campus

Nina Burmeister (NB) starts this point by providing an update on her two-week visit to the Janelia Research Campus. She attended the *Bootcamp Course: Optical Imaging Across Biological Length Scales from July 28th to August 9th*. Hosted by Teng-Leong Chew and Rachel Lee, this 2-week bootcamp course is designed to demonstrate how biological queries and hypotheses steer experimental designs on various microscopy platforms and across length scales from molecules to small animals. Attached to the meeting minutes you can find more details about Nina's presentation, along with useful resources and tips for the application.



Overview of the CF techniques sheet

Richard de Mets (RM) continues the meeting with an update of the expertise searchable tool developed by Chris Dinant and under implementation by RM.

He shows the searchable tool and how to use the search function by location and by techniques, showing the updated table with a list of the core facilities with their level of expertise as low, intermediate, expert or no equipment.

He emphasizes that the core facilities are themselves responsible for updating their equipment in a spreadsheet in a Google account and that the main advantage of this setup is the simplification of the maintenance of updates of the techniques for each facility, and the quick expansion if new facilities join the infrastructure. If you have any question or need assistance with accessing the link to update the techniques for your facility, reach out to RM.

The spreadsheet should be updated anytime there is a new technique at your facility that you want to promote. Furthermore, the date of the last update appears on the table. It was agreed that the table will be showed in the Danish Bioimaging Network website covering all the core facilities in Denmark.

The tool is now implemented in the DBI-INFRA website [DanishBioImaging Infrastructure \(dbi-infra.eu\)](https://DanishBioImagingInfrastructure(dbi-infra.eu)) and the Danish BioImaging website [DBI Techniques Table](#) , where all the facilities in Denmark can now be included.

Action: If your facility is not yet listed [on this page](#), please contact RM to request access to the spreadsheet and include your facility in the Danish Bioimaging techniques table.

Euro-Bioimaging representatives – Who wants to stand for the Chair functions and Updates on Eurobioimaging (THB)

THB continues the meeting by discussing the Euro-Bioimaging representatives and providing an update on the duties of the Chair and Vice-Chair for the Panel of Facilities (PoF). In summary, these duties include calling PoF meetings, advocating for PoF members, representing the Danish imaging community, reporting to PoF, and overseeing elections.

Furthermore, a new page about the Panel of Facilities is now published on the main menu of the DBI website under the section *About*. In this page, there is a description of the duties of the chair and vice-chair, a list with the name of the member of the PoF, the meeting minutes from previous meetings and [the Charter for the Danish BioImaging Panel of Facilities document](#).

As an action point, the DBI coordinator will highlight PoF on the DBI website and social media channels, inviting staff from other facilities in Denmark to connect with our community and participate in our meetings

An important action item agreed upon in the meeting, is the process for voting for the Panel of Facilities Chair and Co-Chair, that are also the Danish node Euro-Bioimaging representatives.

It was decided that the voting will take place on December 1st, with each facility entitled to one vote. Please write the email address for the representative to handle the election for your facility to DBI Coordinator Sonia.garcia@sund.ku.dk as soon as possible. An email with the details about the election process will be sent back to that email address before December 1st.

If you would like to stand for either the Chair or Vice-Chair position, please submit your application to Sonia.garcia@sund.ku.dk by November 30th at the latest.

THB concluded this point by providing an update on Euro-BioImaging. Firstly, he announces that the next *Euro-BioImaging All Hands Nodes* meeting will take place in person at EMBL Heidelberg from March 25-28, 2025. The aim of the annual All-Hands' meeting is to bring together scientists from the Euro-BioImaging Nodes to meet each other, encourage interdisciplinary collaborations, and to discuss most relevant topics for Euro-BioImaging operation and developments in imaging.

Secondly, THB talks about the [Evolve project](#) highlights the key initiatives supported by the EVOLVE project. Moreover, DBI-INFRA Image Analysis Core Facility image analysis specialist Julia Katharina Mertesdorf has been selected for the Euro-BioImaging Cross-Node Job Shadowing program. Julia will visit the BioImage Informatics Infrastructure Unit (BIIF) in Uppsala, Sweden, for one week to learn about the organization and activities involved in running an image analysis facility.

<https://www.scilifelab.se/units/bioimage-informatics/>

Finally, he encourages everyone to attend the upcoming virtual pubs, a virtual meeting hosted by Eurobioimaging which brings the community together about topics that interest us all.

<https://www.eurobioimaging.eu/our-events/virtual-pub/>

DBI PhD Cross institutional course

Morten Freundø Ebbesen (MFE) continues the meeting informing about the DBI PhD Cross Institutional course which is currently running. He highlights that the course includes a series of lectures by experts within different fields of bioimaging and took place at different Danish research institutions in Copenhagen, Lyngby, Odense and Aarhus September 2nd to November 18th, 2024. Afterwards, Cristiano highlights the positive feedback received from the participants who attended the Electron microscopy week at KU on November 4th.

The course runs consecutive Mondays for 10 weeks at 4 different universities and by different lecturers. See the table below.

Date	Time (aprx. *)	Title	Location
Monday Sep. 2	9:30-17:30	Fluorescence and two photon microscopy	SDU
Monday Sep. 9	9:30-17:30	Confocal microscopy	KU
Monday Sep. 16	9:30-17:30	Image analysis, general introduction	SDU
Monday Sep. 23	9:30-17:30	Live imaging in yeast, plants and mammalian cells	KU
Monday Sep. 30	9:30-17:30	Image analysis, introduction to Python	KU
Tuesday Oct. 8	9:30-17:30	Single molecule fluorescence	AU
Monday Oct. 21	9:30-17:30	Image analysis, pixel and object classification	DTU
Monday Oct. 28	9:30-17:30	Super-resolution, STED, SMLM, Minflux, (ICS) and Raman	SDU
Monday Nov. 4	9:30-17:30	Electron microscopy	KU
Monday Nov. 11	9:30-17:30	Break	
Monday Nov. 18	9:30-17:30	Evaluation and student talks	KU/SDU

* Tentative schedule. See schedules for the individual modules on ItsLearning.

Outreach activities

Afterwards Sonia DG (SDG) briefly updates us about the communication deliverables. She points out that there is a new video under the feature series *Meet the DBI Users*. An interview with Rikke Agerskov, a PhD researcher in the Department of Science and Environment at Roskilde University (RUC). Rikke is working on an exciting project utilizing the Olympus scanning confocal microscope at [Microscope Core Facility at Department of Science and Environment](#), Roskilde University focusing on how the nervous system affects the embryonic development of the pancreas. The interview is [published on LinkedIn](#), [twitter](#) and the [DBI website under Meet our users](#).

Moreover, SDG shares that the number of followers is increasing, LinkedIn with more than 1300 followers and Twitter with more than 500. SDG emphasizes that everyone is encouraged to reach out to her to showcase a researcher utilizing a DBI facility, or to spotlight an event or workshop. It was also discussed whether to continue using Twitter or switch to another media channel, such as BlueSky. Action: SDG will look into this matter.

Finally, SD invited everyone to reach out to her if anyone would like to feature an event, job offer, or news article in the upcoming DBI newsletter and to keep the DBI website updated with job openings open calls and events on the DBI website.

M2H Bootcamp

Clara Prats starts this point highlighting that this year, the Danish Euro-BioImaging node was selected to organize and host a unique event, the Chan Zuckerberg Initiative funded *Molecule to Human Boot Camp* (M2H). One hundred and eighty-nine applications were received, from which twenty-four participants were selected coming from all over the world. The Molecular to Human boot camp was held on September 16-27th, 2024, in Denmark, between Aarhus University and Copenhagen University. Both institutions draw from the combined expertise of clinical, preclinical, microscopy and image analysis expertise to create two multimodal imaging workflows to show case bioimaging experimental design rationality and critical considerations.

The Bootcamp was a success and the birth of a new community to bridge the clinical pre-clinical and microscopy imaging technologies. The program and photo gallery can be [viewed here](#).

DBI-INFRA IACF

Peidu Xu continues with the next point in the agenda giving an update of the DBI-INFRA Image Analysis Core Facility (IACF). DBI-IACF is a national facility and the IACF intends to step up on offering outreach activities to other facilities. The facility opened its service last September 2023, and currently many of their users came from SUND in KU.

PX highlights the success of the open office organized by the DBI-INFRA at Aarhus University on October 9 from 11:00-16:00. There were 13 users attending and some of the participants showed interest in doing a follow-up consultation and project with DBI-INFRA Image Analysis Core Facility.

On September 12, Tricia Loo, Julia Katharina Mertesdorf, and Peidi Xu gave a one-day Introduction to CellProfiler workshop as part of the High-Content Microscopy PhD Course at BRIC (Biotech Research & Innovation Centre).

Looking ahead, In January 2025, the IACF will conduct a 2-day Python4BIA course at the University of Southern Denmark (SDU), followed by an open office session on the third day.

In addition, the IACF team will give a separate CellProfiler demo workshop for the Microscopy Interest Group at BRIC on November 26. Moreover, the team will give a talk at BRIC's "Open Space Committee" seminar series.

Next DBI meeting

To conclude, it was discussed that the next PoF meeting will be held as an online meeting in February 2025. The physical meeting will be during the next DBI Symposium next year.

7. AOB

None