



Panel for Core Facilities meeting

Zoom meeting

November 7th from 13:00 to 14:30

Participants

Thomas Hartig Braunstein (THB), Andre Eduardo Carneiro Diaz (AD), Sebastian J Kjeldgaard-Nintemann (SKN), Nynne Christensen (NC), Sonia Diaz Garcia (SDG), Richard de Mets (RM), Tricia Loo (TL), Julia Katharina Mertesdorf (JKM), Chris Dinant (CD), Xiaowen Wang (SW), Agatha Silva (AS), Katharina Kaiser (KK), Yuki Mori (YM), Anne-Kathrine Kure Larsen (AKK) and Xiaoli Hu (XH).

Agenda

- [Welcome](#) - THB
- [News from EuroBioimaging](#) - THB
- [EuroBioImaging Industry Board Survey](#)
- [EVOLVE project: Train the trainer and Job Shadowing](#) - AS, KK, XH, SDG
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Thomas Hartig Braunstein (THB) chaired the meeting based on the points presented in the mail sent to all the participants prior to the meeting. THB continues welcoming Anne-Kathrine Kure Larsen (AKK) and Xiaoli Hu (XH), new colleagues joining the Aarhus Bioimaging Core Facility and Yuki (YM) from MRI at the Core Facility for Integrated Bioimaging.

News from Eurobioimaging

THB continues by sharing that, as part of the Horizon Europe project EVOLVE, there are several opportunities for the Danish Node at EuroBioImaging, including participation in *the Train the Trainer program*, the *EVOLVE Call for Conference Participation*, the *Mentoring Program*, and the *Job Shadowing Program* for an overview of the opportunities made possible by funding from the EVOLVE project, as well as information about eligibility and how to apply. TH concludes that there are many other topic-specific funding opportunities on the [Funding - Euro-BioImaging](#) page.

EuroBioImaging Industry Board Survey

THB continues by saying that we have been asked to participate in a EuroBioImaging Industry Board (EBIB) survey. EBIB carries out regular surveys to better get know the ever-growing Euro-BioImaging community of imaging facilities and provided valuable feedback to the Industry Board and Euro-BioImaging to help identify areas of future collaborations with companies in the sector. The attached templates have been sent out to the PoF members by email. The deadline for submission is by Friday, 28 November, for Part 1, and by Friday, 19 December, for Part 2. As we are a multi-sited Eurobioimaging Node in Denmark we are welcome to give our feedback on the facility level.

EVOLVE project

THB continues sharing that Xiaowen Wang, Agata Silvan Alcaraz and Katharina Kaiser from the Core Facility for Integrated BioImaging (CFIB) attended the first Euro-BioImaging/Evolve Train-the-Trainer course at the Imaging Center at EMBL in Heidelberg from October 20–24. Moreover, Clara Prats, DBI Director, was also attending as a teacher of this program. The Train-the-Trainer course is tailored specifically for imaging core facility staff working at Euro-BioImaging Nodes who are involved in user support, training, and course organization. This course is about how to teach image techniques effectively and provides a comprehensive toolkit for developing and delivering impactful training sessions, user courses, and collaborative workshops. The takeaways from the team were the importance of clearly formulating learning objectives, ideas for creating interactive learning experiences and making the most of resources such as webinars and pre-recorded tutorials, explains AS and KK during the meeting.

EVOLVE Job Shadowing

Sonia Diaz, DBI-INFRA Coordinator also visited the Euro-BioImaging Bio-Hub at EMBL in Heidelberg from October 20–24 hub to learn about the Euro-BioImaging communications strategy, outreach and activities involved as communications officer. She was shadowing the EuroBioImaging Communications Officer Marianna Childness. During the meeting SDG shares that the Evolve job shadowing was a unique experience to learn about target audiences, engagement with Euro-BioImaging examples, training courses, communication workflows, newsletters and strengthening collaboration.

[Click here to know more](#) about the Job shadowing program, a program open to all Euro-BioImaging Node Staff.

DBI-INFRA IACF Updates

TL continues with the next point on the agenda, giving an update on the DBI-INFRA Image Analysis Core Facility (IACF). The IACF is physically located at the DBI-INFRA Hub (UCPH Faculty of Health and Medical Sciences), but its services are accessible from anywhere. TL highlights the events organized by the IACF team since the last PoF meeting and that a new team member will join on December 1st, 2025.

In September, the IACF visited the Aarhus BioImaging Core Facility and the Pre-clinical core facility in Aarhus Hospital. The IACF team visited the Aarhus BioImaging Core facility for two days to conduct a

one-day QuPath workshop and an Image Analysis Open Office hosted by the Aarhus Bioimaging Core Facility.

The IACF is also trialing the installation of workstations at different DBI-INFRA facilities for users across Denmark to access IACF services. The first IACF satellite workstation has been installed at the DBI-INFRA pre-clinical core facility in Aarhus University Hospital, and it gives access to IACF-developed workflows and pre-configured environments for popular machine learning tools used in bioimage analysis.

The IACF is ready to assist any research in Denmark and in Europe through the Euro-Bioimaging portal. If you are interested in image analysis services, courses, and workshops, you can visit the [Danish Bioimaging Infrastructure page](#) and learn more about the services and events organized by the IACF. The team offers recurring free-of-charge bi-weekly public consultation sessions (Call4Help) with virtual guidance on bioimage analysis challenges. Furthermore, the IACF team attended the GloBIAS Bioimage Analysis Conference 2025 in October in Kobe, Japan.

Overview of the CF techniques sheet

Richard de Mets (RM) continues the meeting with an update on the searchable expertise tool.

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.

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. Two updates, there is now a registration link to facilitate onboarding of new facilities to be displayed in the [table](#).

Also, at the end of the table, there is now an "update me" button linking you to the excel sheet stored on the DBI google drive account.

Those with editing access to the file will be able to then update their information more easily.

RDM also shares that the *Cellular & Molecular Imaging Core Facility (CMIC)* in Trondheim is showed on the table under Norway, the new location. Furthermore, it was discussed to promote the techniques table on DBI Social Media channels.

Biomero

RDN continues by sharing that at CFIB, he is currently testing Biomero, a plugin of OMERO allowing batch processing of files stored in an OMERO server.

He has so far managed to install SLURM and OMERO on the same computer and on two separate PCs, opening the possibility to combine data management with strong HPC resources.

The Biomero server is still only accessible at the local level, but he is expecting to open it to people outside of the team if there is enough interest in testing the platform.

Julia Katharina Mertesdorf (JKM) is actively working on improving the import of workflow into BIOMERO, a talk might be given upon request if there is a need.

Read more about BIOMERO

Discussion Topic: Know the Danish Core Facilities

THB continues the meeting talking about a new discussion topic about get to know the Danish Core

Facilities. Sebastian J Kjeldgaard-Nintemann (SKN) shares that the Center for Advanced Bioimaging at Frederiksberg Campus offers the CLSM and Coherent Raman Scattering Microscope

With the Leica Stellaris 8 CRS state-of-the-art confocal microscope with coherent Raman scattering (CRS) capabilities, completely new modalities become available to CAB's users, combining confocal and chemical imaging. Stimulated Raman Scattering (SRS) is a method to specifically detect, quantify and image sample-intrinsic molecules, like spontaneous Raman scattering microscopy. Two laser beams are focused on the specimen, and their frequency difference is tuned to match the vibrational frequency of a particular molecular bond vibration. This leads to an induction of vibration and thereby to a much-improved yield of signal. Coherent Anti-Stokes Raman Scattering (CARS) is a related technique where further stimulation of the target molecules leads to the release of blue-shifted ("Anti-Stokes") photons.

CRS microscopy allows to spectroscopically explore the chemical composition of complex biological specimen.

The instrument is available for user training and booking from 2025.

SKN will share more details about this instrument in the next PoF meeting. SKN and NC will give a presentation about CAB core facility (number of users, equipment, booking system, etc.) on the next PoF meeting as part of the new series Know the Danish Core Facilities -Number of users, equipment, booking system, etc.

Workshop on how to get the best out of FLIM imaging – Nynne Christensen – workshop in May

NC continues the meeting sharing that she is planning to create a workshop/course in how to get the best out of FLIM Imaging, a method that really has been gaining speed recently. The workshop will be organized in May 2026. If anyone is interested in helping to organize, please contact Nynne Christense at nmchristensen@bio.ku.dk

About the new Center for Core Facilities (CCF) – THB

THB continues talking about the new Center for Core Facilities. The Center for Core Facilities (CCF) at the Faculty of Health and Medical Sciences (SUND) aims to strengthen access to advanced research technologies and foster interdisciplinary collaboration at the University of Copenhagen. CCF coordinates and develops strategic core facilities across the faculty, ensuring cutting-edge technologies, transparent processes and pricing, and strong links to leading research environments. Established on September 1st 2025, CCF brings world-class infrastructure under one umbrella, making it easier for researchers, educators, and innovators to access technologies that drive and support excellent research, discovery, innovation, and life-long education. The CCF will create a research infrastructure-centric ecosystem to implement and sustain excellent service provision, support and drive technology/methodology innovation, and secure the financial sustainability of core facilities. Importantly, CCF will define and implement attractive career paths for the highly interdisciplinary and diverse professionals that lead, manage and operate our core facilities. Looking ahead, CCF will continue to expand its facilities, create and strengthen partnerships at the institutional, national and international level, and continuously adapt to the needs of the research community. Clara Prats has been appointed Director of the new Center for Core Facilities.

DBI Working groups and contact persons

The next point in the agenda is the DBI working groups and contact persons showing on the Danish Bioimaging Network website under contacts. It is decided to remove this list as it is obsolete, and the working groups are not active anymore.

Outreach activities

SDG shares that there are two more users to participate in the DBI Serie "meet the DBI-INFRA users". DBI Coordinator visited the Aarhus BioImaging Core Facility on November 6-7 to interview Laura Bruus Bjerre who is using the Stellaris 8. Laura is from Felicity Davis' group, and she is working on

calcium signaling during lactation in mammary tissue. Moreover, Sara is using the LighSheet7 (Danish Bioimaging Infrastructure) on brains.

Furthermore, the interview with Trine Schønfeldt, a PhD student in Skin Immunology at the University of Copenhagen will be launched shortly.

SDG ended this point highlighting that the DBI-INFRA maintains accounts on several social media platforms, including Twitter, LinkedIn, Instagram and YouTube. On LinkedIn we have reached 2,000 followers.

Finally, SDG encourages 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.

LSM 800 system from Sweden

THB talks about the LSM 800 inverted microscope from 2017 with NIR detection on a Hamamatsu camera. Price 500.000 SEK (original price 1.850.000 SEK). Contact Anders Brinte anders@imagene-it.se for more information. We have also been contacted by Biorigin, as they invested recently in a ScanR, and unfortunately, they need to close. If your facility could be interested in buying it from them, please contact Luis Toledo at lt@biorigin.dk

PoF Activities in 2026

The next point on the agenda is to plan the PoF agenda for next year. THB invited brainstorming on topics to discuss during the PoF meetings in 2026.

ACTION: Please fill in this Google doc [PoF - topics in 2026 - Google Docs](#) to provide the topics you would like to include for the PoF meeting in February, 2026.

DBI Symposium 7-8 May at DCI - Mark the dates

The 9th Danish Bioimaging Symposium in 2026 will be hosted by the Danish Cancer Institute on May 7-8, 2026. Chris Dinant will organize the symposium, and he confirmed that the rooms are booked. More detailed information about registration and program will be announced soon.

Next DBI meeting

To conclude, it was agreed that the next PoF meeting will be held via Zoom on February 13, 2026, from 13:00 to 14:30.

AOB

None