

## Session 2: Staff development & training

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### Abstract

The primary role of a core facility staff member is to offer specialized technical support and expertise, driving forward the projects of the research community while utilizing the facility's resources. With the ever-growing demand for advanced imaging technologies and new projects, staff from diverse backgrounds face a range of challenges, including sample preparation, acquisition, image data analysis, user management and operational tasks while adhering to established guidelines, protocols and health and safety regulations. To effectively support the research community it is crucial for staff to stay abreast of the latest developments, continuously updating their technical and soft skills.

But how to adapt to new emerging or long-forgotten technologies and transition into new roles or facilities? In this session, we will address these challenges, and explore strategies and opportunities for taking a proactive approach when adapting to new technologies and excelling in different environments.

**11:00 Introduction of the session** (10 min) (Nadia Halidi, Advanced Light Microscopy Unit, Centre for Genomic Regulation, Barcelona, Spain)

**11:15 Global Bioimaging Survey update** (10 min) (Antje Keppler, Global Bioimaging)

**11:30 Reinventing skill sets and bringing in new technologies to the facility:** A roundtable discussion with an example case study.

At the roundtable:

**Antje Keppler** - Representing Global Bioimaging, Bio-Hub, Euro-Bioimaging ERIC

**Peter O'Toole** - Representing Bioimaging UK, Bioscience Technology Facility, University of York.

**Bram van den Broek** - Representing NEUBIAS, Bioimaging Facility, Netherlands Cancer Institute.

**Lennard Voortman** - Representing NVVM (Dutch microscopy) for "Local Hackathon", Dept. of Cell and Chemical Biology, Leiden University Medical Center.

**Mariana Carvalho**, Nanophotonics & Bioimaging Facility, International Iberian Nanotechnology Laboratory (INL)

**Nadia Halidi** - Advanced Light Microscopy Unit, Centre for Genomic Regulation.

### Topics to discuss:

What technical and soft skills are needed in a core facility for imaging and image data analysis.

Finding the balance when adapting new technologies and roles for staff from different backgrounds.

Reinvent ourselves: adapting to the ever changing technological landscape.

Is the two hour training given by the company enough to provide expert support when purchasing a new equipment? What else is needed? What options are available?

Overview of in-person and online training landscape and opportunities.