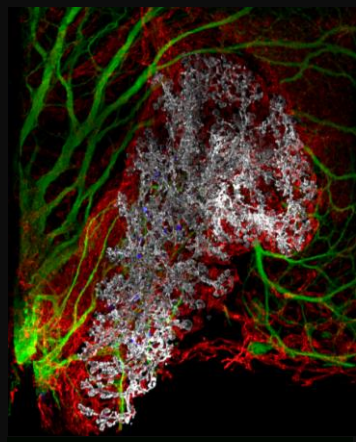
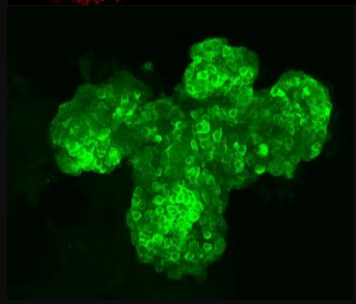
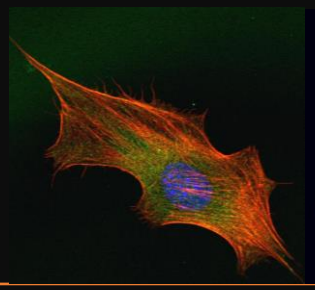
Microscope Core Facility at Department of Science and Environment, **Roskilde University**

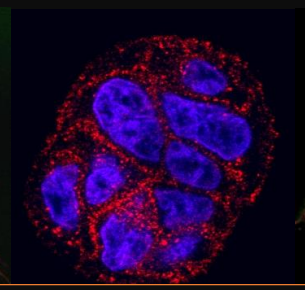
Pia Nyeng

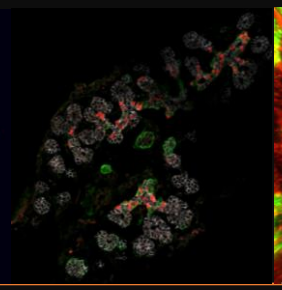
DBI-INFRA meeting Dec 2022

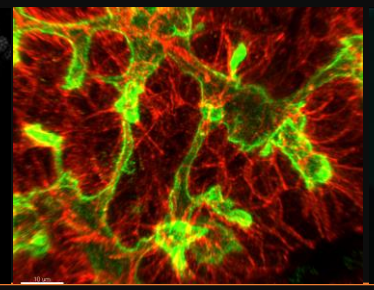


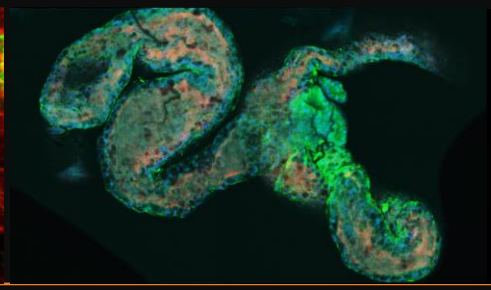


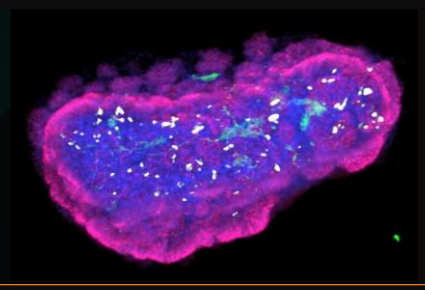


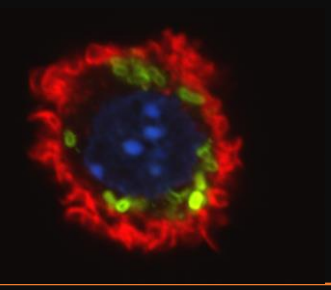












Staff

Pia Nyeng, Assistant Professor
pnyeng@ruc.dk

- Live organ explant and organoid imaging
- 3D imaging
- Quantitative image analysis

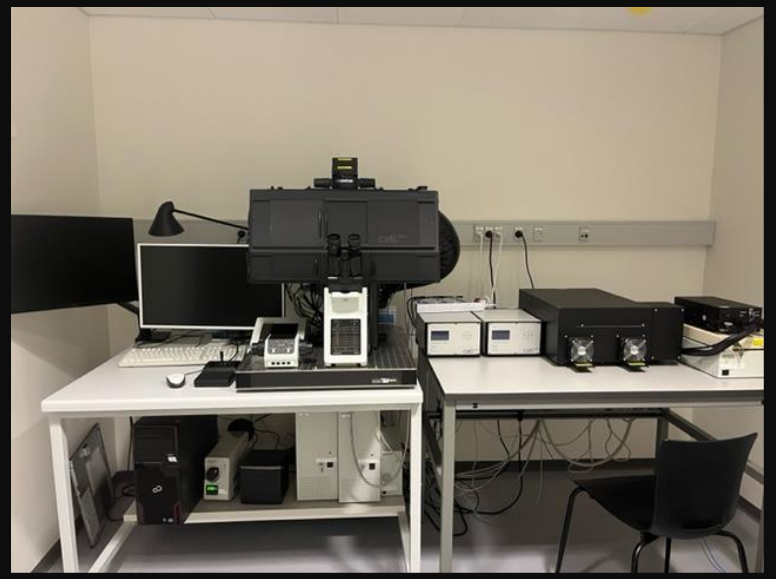
Ole Vang, Associate Professor
ov@ruc.dk

- Live cell imaging
- Lysosome, mitochondrial and 3D imaging

Christa Persson, Technician

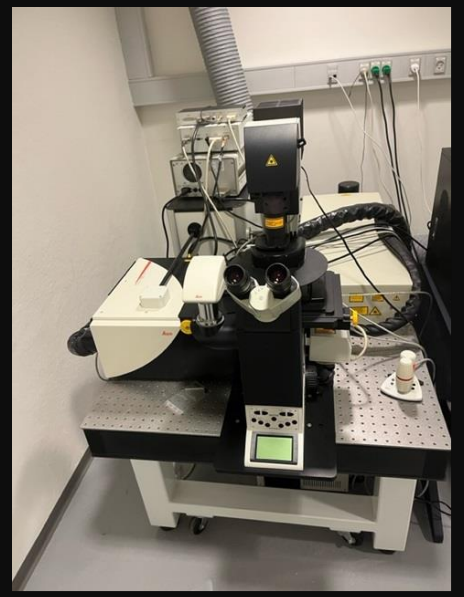
Equipment

- **Laser scanning confocal microscope**
  - Olympus LSM FV1200S-IX83
  - Live imaging incubator
- **Multiphoton confocal microscope**
  - Leica TCS SP5
- **Imaris 9.9.1 analysis station** (3D image analysis)



Not part of the core facility:

- Scanning Electron Microscope at Fablab (JEOL - JSM-6480LV)
- Atomic Force Microscope (Dorthe Posselt)



Roskilde Universitet

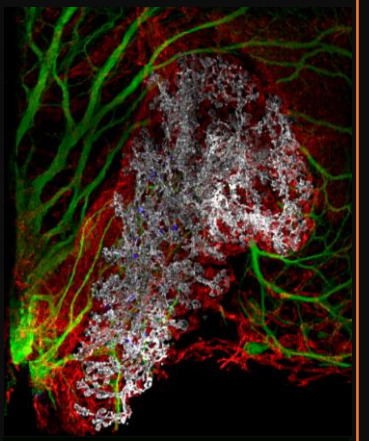
Expertise

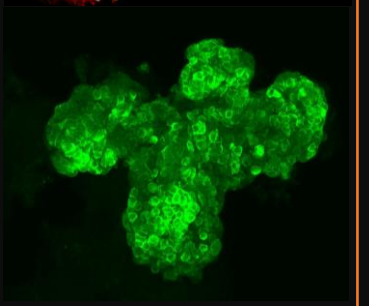
- 3D confocal imaging
- Live imaging
- Quantitative imaging and image analysis
- 3D rendering and measurements
- DNA nanotechnology-based sensors (Pratik Shah)

Courses

- Master course: Experimental cell biology in June
- PhD course “Quantitative 3D imaging” in collaboration with DDA and Gubra. Nov 21-24th 2022

More info and contact





Webpage: Microscope-core.ruc.dk

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