

DaMBI Danish Molecular Biomedical Imaging Center



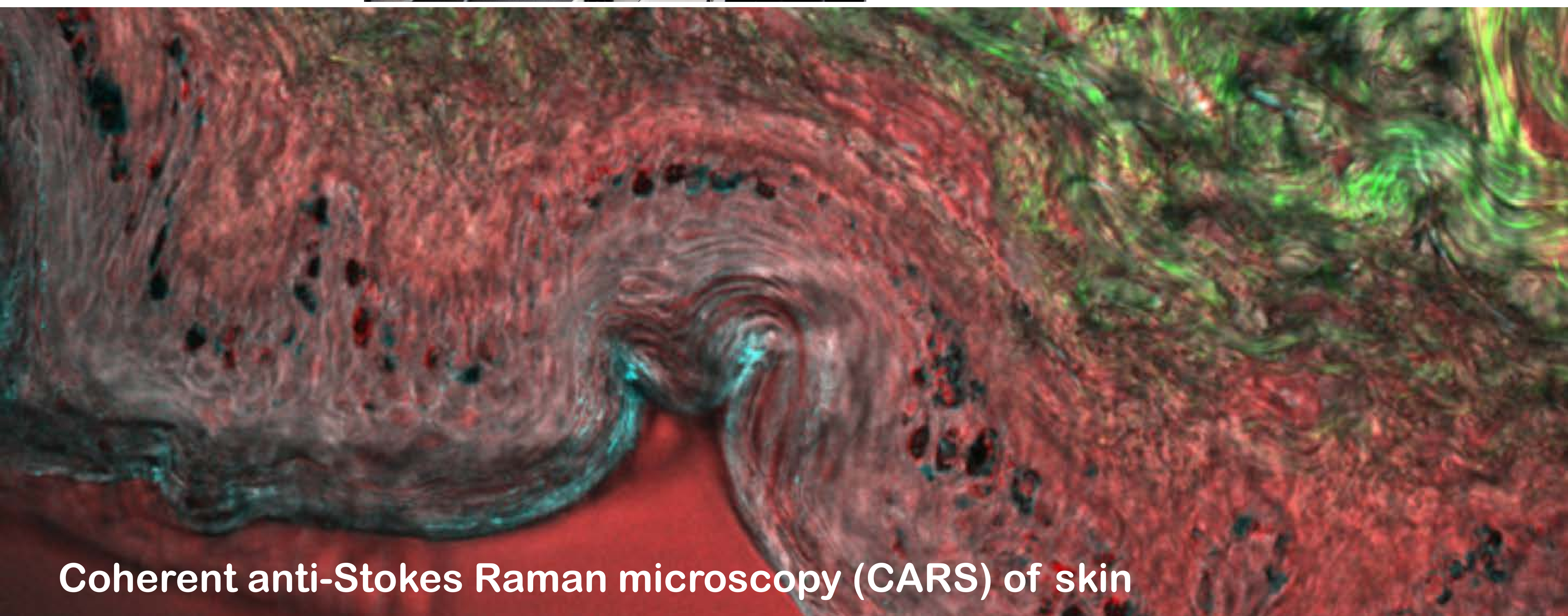
Microscopy facility to resolve your bioimaging projects:
From imaging to analysis and more



What we offer:

- Individual training on the microscopes and support
- Assisted use of the microscopes
- Individual experimental protocol optimization
- On special request we can do imaging of your samples and image analysis
- Theoretical and practical Master and PhD courses
- Master and Bachelor projects in bioimaging
- Customized solutions for imaging equipment
- Advanced image analysis: software and trainings

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Coherent anti-Stokes Raman microscopy (CARS) of skin

Techniques available in house:

- Confocal laser microscopy
- STED (STimulated Emission Depletion microscopy)
- CARS (Coherent anti-Stokes Raman microscopy)
- Spinning disc microscopy (live cell imaging)
- TIRF (Total Internal Reflection Fluorescence microscopy)
- FLIM (Fluorescence Lifetime IMaging)
- FCS (Fluorescence Correlation Spectroscopy)
- Two-photon microscopy
- RICS (Raster Imaging Correlation Spectroscopy)
- AFM (Atomic Force Microscopy)
- Ellipsometry

Exemplary case studies:

- Live cell imaging
- Diffusion in skin tissue
- Transport measurements in cells and membranes
- Cancer diagnostics
- Super-resolution of tight junction proteins
- Multi-photon imaging of resistance arteries
- Membrane imaging
- Characterization of organic LEDs and nanostructures
- Co-localization studies
- Analysis of food
- Calcium ions and pH measurements in tissue and cells

