



# Soft Microscopy Center

– meeting for microscopy network the 7<sup>th</sup> of October 2020

Location: Remote via teams/zoom, links will be sent out separately

## Remote demonstration of advanced microscopy techniques for soft materials characterisation

### PROGRAM

- 09.30 – 09.45      **Welcome to the microscopy network meeting**  
– Torben Nilsson Pingel and Eva Olsson, Chalmers, Niklas Lorén and Mats Stading, RISE
- 09.45– 10.45      **Microstructural characterisation and swelling of coating layer of catheters**  
– Presentation of the research question, Frida Iselau, Wellspect  
– Demonstration of coating thickness characterisation using Focused Ion Beam Scanning Electron Microscopy (FIB-SEM), Torben Nilsson Pingel, Chalmers
- 10.45 – 11.00      **Break**
- 11.00 – 11.55      **Microstructural characterisation and swelling of coating layer of catheters - continuation**  
– Demonstration of cross-sectional SEM imaging, Torben Nilsson Pingel, Chalmers  
– Demonstration of coating swelling characterisation using Light Microscopy (LM), Camilla Öhgren, RISE
- 12.00 – 13.00      **Lunch**
- 13.00 – 14.00      **Local diffusion in agarose particles used for chromatography**  
– Presentation of the research question, Daniel Carlsson, Cytiva  
– Demonstration of estimation of local diffusion properties using Confocal Laser Scanning Microscopy (CLSM) and Fluorescence Recovery After Photobleaching (FRAP), Niklas Lorén, RISE
- 14.05 – 14.20      **Break**
- 14.20 – 15.30      **Characterisation and swelling of foam materials**  
– Presentation of the research question, Marina Craig and Ann-Britt Gergely, Mölnlycke Healthcare  
– Demonstration of foam characterisation using SEM, LM and CLSM and foam swelling using LM, Camilla Öhgren, RISE and Torben Nilsson Pingel, Chalmers
- 15.30 – 15.45      **Concluding remarks**
- 15.45                **End of meeting**

**SIGN UP**