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4th practical course in Biofilm Procedures Copenhagen, Denmark, October 27th and 28th 2016

Preliminary Course Programme

Thursday 27th of October

- 12:00 Welcome and introduction to course, Thomas Bjarnsholt
- 12:15 Biofilm models and briefing on exercises, Maria Alhede
- 13:00 Biofilms in wounds, Klaus Kirketerp-Møller
- 14:00 Coffee and discussion (teams of 2 or 3 will be doing exercises together)

Practical sessions:

- 14:30 Casting of semi solid gels with serum, blood and meat powder and preparation of wound model
- 15:30 Application of Antimicrobials (incl. dressings) to biofilm model for microscopy (BYO!)
- 16:00 Sonication, serial dilution and spread plating biofilms for viable counts (premade by instructors, please send antimicrobials before the course if you want quantitative evaluation)
- 18:00-23:00 Dinner at local Restaurant

Friday 28th of October

- 09:00 Morning coffee
- 09:30 Basic Biofilm Knowledge and novel treatment strategies, Kasper Kragh
- Confocal Microscopy of treated gels are done during incubation and spare time*
- #### Practical sessions:
- 10:15 Staining of bacterial biofilms in wound section (PNA FISH and DAPI) and semi solid biofilms (Syto 9 and PI)
- 10:30 Quantitative evaluation of plates and time for discussion with instructors
- 12:00 Lunch
- 12.45 The role of biofilms in chronic infections, Thomas Bjarnsholt
- #### Practical session:
- 13:15 Microscopy of stained wound and ex vivo biofilms in the electron microscope (CFIM)
- 14:15 Coffee Break
- 14:30 Discussion of results and sum up
- 15:00 End of course

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