



**PhD-course “Chemical imaging of plant cell walls”, June 4-8 2018, 4 ECTS,  
University of Copenhagen**

**Preliminary Program**

	Monday	Tuesday	Wednesday	Thursday	Friday
9-12 AM  (20 min break with coffee/tea etc.)	Breakfast, introduction to the course  Student introductions  Light microscopy, and stains, part 1  <i>(Nanna B. Pedersen and Lisbeth G. Thygesen)</i>	Ultraviolet MicroSpectro-Photometry (UMSP)  <i>(Gerald Koch)</i>	Infrared (IR) and Raman micro-spectroscopy, part 1  <i>(Tobias Keplinger and Lisbeth G. Thygesen)</i>	Atomic Force Microscopy (AFM)  <i>(Olivier Arnould)</i>	X-ray synchrotron techniques  <i>(Joseph Jakes)</i>
12 AM - 1 PM	Lunch				
1-4 PM  (20 min break with coffee/tea etc.)	Light microscopy and stains, part 2  <i>(do)</i>	Confocal Laser Scanning Microscopy (CLSM)  and visit to the Center for Advanced Bioimaging  <i>(Alexander Schulz)</i>	Infrared (IR) and Raman micro-spectroscopy, part 2  <i>(do)</i>	Visit to the UCPH Nano-science center, including IR-AFM  <i>(Tue Hassenkam)</i>  Evening: Course dinner	Chemometric data analysis of spectral images  <i>(Sara Piqueras Solsona)</i>  Evaluation of the course  <i>(Lisbeth G. Thygesen)</i>



UNIVERSITY OF COPENHAGEN  
DEPARTMENT OF GEOSCIENCES AND  
NATURAL RESOURCE MANAGEMENT

