
**Friday, 29 January | 11.00 am | S2-04-14**

# Seminar: Integrating optical with electron microscopy

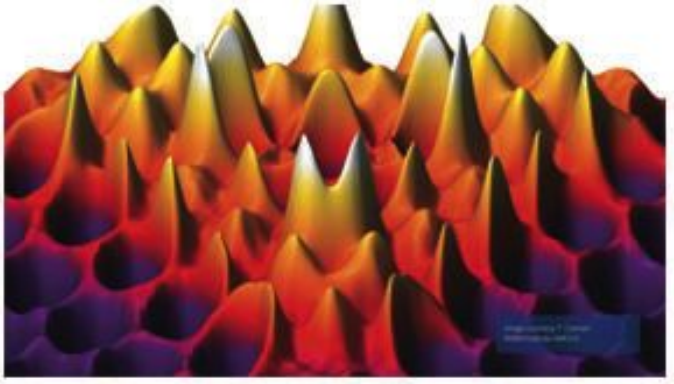
**Hosted by Daniel Floyd**

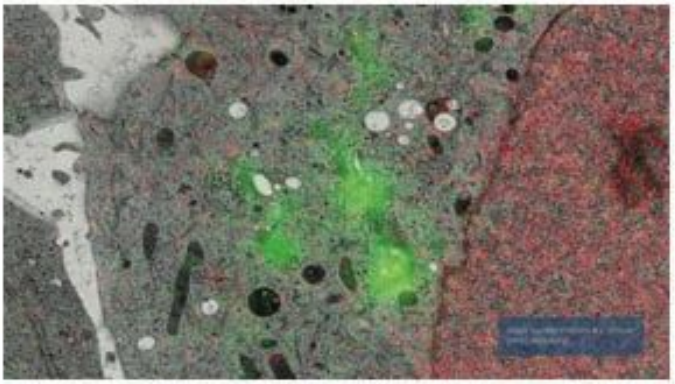
## Correlative Microscopy and Its Application in the Life Sciences
*by Noor van der Veeken, DELMIC B.V.*

Correlative microscopy is the combination of fluorescence microscopy and high resolution electron microscopy. The combination of the labeling power of fluorescence imaging and the high resolution structural information of electron microscopy makes correlative microscopy the perfect tool to study the complex relation between form and function in biology.
In this talk, we will give more details about correlative microscopy and the possible advantages of an integrated solution. Furthermore we provide a number of application examples in life science.

## Optical characterisation at the nanoscale by using cathodoluminescence spectroscopy
*by Jacob Jan de Boer, DELMIC B.V.*

Cathodoluminescence is an easy and powerful technique to study optical properties at the nanoscale. It opens up new avenues of research such as electron beam induced nanophotonics, advanced understanding of semiconductor and optoelectronic devices, materials inspections, geology and life sciences. This talk will describe the current advances in (angle-resolved) cathodoluminescence imaging, as well as give an outlook of future research, such as angle-resolved cathodoluminescence polarimetry and 3D imaging.





**All are welcome to attend.**

by Hadisah