

## WORKSHOP ON INTEGRATED CLEM

**Topic: Invitation to Delphi workshop, Thursday June 18<sup>th</sup>  
Core Facility for Integrated Microscopy, University of Copenhagen, Denmark**

The *CFIM at the Faculty of Health* is happy to announce the coming hands-on Delphi workshop. The Delphi is an all-in-one solution for correlative light and scanning electron microscopy (CLEM) and the world's first, fully integrated system.

The design and software of the Delphi make correlative microscopy accessible to fluorescence and electron microscopy users alike. Correlative microscopy is getting more attention for its ability to combine structural with functional information. However, the complexity of the workflow has so far limited the adoption of the technique by the community at large.

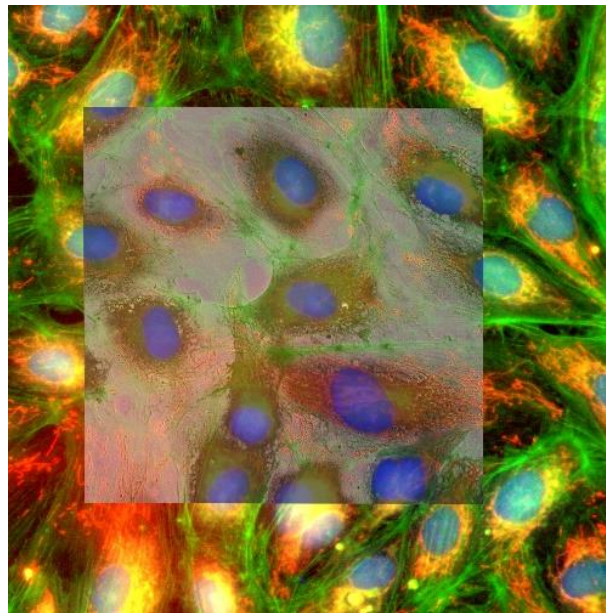
### Goals of the workshop

This workshop will serve as an introduction to correlative microscopy and is intended to show the extra information that can be gained with CLEM and the benefits of integrated CLEM using the Delphi system.

The hands-on session is meant for users of Electron Microscopy, Light Microscopy and/or correlative microscopy, to get experience with the new Delphi system. Moreover, attention is paid to High Pressure Freezing of living GFP transfected cells as well.

Lectures in the morning are of general interest and open to all. For the hands-on sessions there are only 12 places, so an early sign up is advised. Sign up closes on Thursday, June 11<sup>th</sup>.

In case attendees are interested in a more in-depth session after the workshop, it is possible to visit the CFIM facility on Friday, June 19<sup>th</sup>. We are excited to hear your comments and remarks about this unique system.



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### Preliminary program, Thursday 18<sup>th</sup> June 2015

08.30	Registration for hands-on participants (Mini auditorium 29.01.32)
09.00 - 09.45	Paul Verkade (University of Bristol)
09.45 - 10.30	Kenton Arkill (University of Bristol)
10.30	Coffee break
10.45 - 11.00	Leica Microsystems - High Pressure Freezing
11.00 - 11.30	Phenom-World - Delphi, integrated CLEM system
11.30	Lunch
12.30 - 14.00	Hands-on (group 1: A, group 2: B, group 3: C)
14.00 - 15.30	Hands-on (group 1: B, group 2: C, group 3: A)
15.30	Coffee break
16.00 - 17.30	Hands-on (group 1: C, group 2: A, group 3: B)
17.30	Dinner

### Lectures ‘Applications of High Pressure Freezing of GFP transfected cells’

With his strong background in EM, Paul Verkade set up a new EM unit as part of the Wolfson Bioimaging Facility, a fully integrated light and electron microscopy centre. Besides heading the EM unit he also has his own research group. His current research focus is to develop techniques and tools for the use of Correlative Light Electron Microscopy (CLEM) studying endocytic sorting.

### Hands-on sessions

Carousel sessions for the participants: groups will circulate, so everybody will do all sessions (see program).

- A] Delphi, integrated CLEM; hands-on with test sample; guided by Delmic/Phenom-World
- B] High Pressure Freezing; explanation on sample prep; guided by Leica Microsystems
- C] Sample prep/ imaging at cryoSEM, cryoTEM; hands-on with test sample; guided by CFIM

### Venue

The Panum Institute, Mini auditorium 29.01.32  
Nørre Allé 20  
Faculty of Health and Medical Sciences, University of Copenhagen  
DK-2200 Copenhagen N

### How to participate to these workshops

The workshop is free to everybody, but registration for the hands-on sessions is requested.

Please go to [www.delphimicroscope.com/events/workshop-copenhagen](http://www.delphimicroscope.com/events/workshop-copenhagen) to register for these sessions. A confirmation will be sent within a few days upon registration.

