VIB Training/Imaging@VIB IX: The Mesoscopy Challenge
Getting the big picture on whole tissue and organism imaging

Provinciehuis Vlaams-Brabant Leuven, 22 January 2019

Scientific committee
Saskia Lippens (VIB Bioimaging Core Ghent)
Sebastian Munck (VIB Bioimaging Core Leuven)

09h00-9h25  Registration

09h25-09h30  Welcome

**SESSION 1**

09h30-10h15  **Trainer 1** Stefanie Reichelt, CRUK Cambridge Institute, UK
Translational Light sheet

10h15-10h30  Coffee

10h30-11h15  **Trainer 2** Gail McConnell, Centre for Biophotonics, University of Strathclyde, Glasgow, UK
Using the Mesolens for optical mesoscopic imaging with sub-cellular resolution

11h15-12h00  **Trainer 3** Leen Seys, VIB-UGent Center for Inflammation Research, BE
Lung tissue clearing and imaging

12h00-12h45  Lunch
SESSION 2

12h45-13h30 **Trainer 4** Monika Ritsch-Marte, Section for Biomedical Physics, Medizinische Universität Innsbruck, AT
Combined optical and acoustic trapping of mesoscopic samples for tomographic imaging

13h30-14h15 **Trainer 5** Greetje Vande Velde, Departement Beeldvorming & Pathologie, KU Leuven, BE
From whole-body imaging to microscopic insights into mouse lung and brain infection: closing the gaps with OPT and SPIM

14h15-15h00 **Trainer 6** Stijn Dhondt, VIB-UGent Center for Plant Systems Biology, BE
Photo shoots of plants on the catwalk

15h00-15h30 Coffee

15h30-16h15 **Trainer 7** Mohammed Farhoud, Emit Imaging, Boston, US
Cryo-Fluorescence Tomography: a technique for bridging histopathology with in vivo imaging

16h15-17h00 **Trainer 7** Emmanuel Reynaud, Center for Biomedical Engineering, University College Dublin, IE
Dreaming of a digital ocean: Integrative 3D imaging bottom up

17h00-17h45 Reception