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## 3D, Spectral and Superresolution Imaging (Intermediate/advanced level workshop)

**Dates: June 13-24, 2016**

Location: CancerCare Manitoba, Winnipeg, Manitoba, CANADA  
Registration deadline May 13, 2016.

### Topics:

#### a) bench work in the laboratory:

- i) Spectral imaging and SKY of mouse/human chromosomes
- ii) Fluorescence microscopy in 3D (manual, semi-automated and fully automated measurements and analysis).
- iii) Superresolution microscopy

#### b) imaging in the Genomic Centre for Cancer Research and Diagnosis:

- image acquisition of all samples prepared during the course; interactive image analysis
- c) **lectures** by expert mentors in the field: theory and practice of above techniques imaging, and their application in research and the clinic, discussion and data analysis of images acquired during the course. Lectures will also include Airy Scan, 3D Structured Illumination Microscopy, and single molecule localization microscopy.

#### c) **journal clubs**: round table discussion of current literature in the field with experts in the field.

**Registration:** in order to register, please submit your CV and a short summary of why you are interest in this course to Dr. Sabine Mai, [Workshop@umanitoba.ca](mailto:Workshop@umanitoba.ca). When registering, you are required to pay a registration fee. No applications will be accepted after May 13, 2016. For more information please refer to our website [www.ITMHRT.ca](http://www.ITMHRT.ca)

Early Bird Registration April 22, 2016: \$1500 (Cdn) + GST  
Registration May 13, 2015: \$1800 (Cdn) + Taxes  
Cancellations until May 13, 2016: Refund less a \$500 administration fee  
Cancellations after May 13, 2016: No refunds

