

JUNE 25, 2019

*National and International Biolmaging Networks* 8:30  
Dr. Claire Brown, McGill University, Montreal

*Nuclear organization and function: A potential role of the inter-chromatin compartment for import, intranuclear distribution and export of macromolecules* 9:10  
Dr. Thomas Cremer, LMU, Munique, Germany

*From chromatin loops to chromatin domains: role of the cohesin complex in the formation of higher order chromatin structures* 9:50  
Dr. Marion Cremer, LMU, Munique, Germany

**Coffee break** 10:30

**Former and Current Trainee Sessions**

*Telomere technology: The path from the bench to the clinic* 10:45  
Dr. Sherif Louis, former PhD trainee

*Genome remodeling in Hodgkin's lymphoma* 11:15  
Fabio Contu, current PhD trainee

*Characterizing and exploiting hypomorphic USP22 expression in Cancer with single-cell image-based analyses* 11:45  
Lucile Jeusset, current PhD trainee

*Imaging approaches to detect genomic instability in cancer* 12:15  
Dr. Aline Rangel Pozzo, current PDF trainee

**Lunch** 12:45

*Aneuploidy in cancer: Cause or consequence?* 13:30  
Thomas Ried, NIH, Bethesda, Maryland, USA

*What face and teeth and gum can tell you about syndromes* 14:10  
Nik Kantaputra, Chiang Mai University, Chiang Mai, Thailand

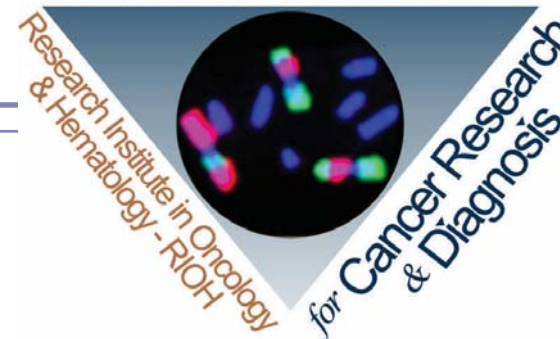
*Myc-activating translocations in myeloma* 14:50  
Siegfried Janz, Medical College of Wisconsin, Milwaukee, USA

*Phase separation and phase transition in the organization of inter-phase chromatin* 15:30  
Dr. Michael Hendzel, University of Alberta, Edmonton, Canada

*Thank you and end of symposium* 16:10  
Dr. Sabine Mai, University of Manitoba, Canada



# Genomic Centre



## 20th Anniversary Imaging Symposium

JUNE 24 & 25, 2019

UNIVERSITY OF MANITOBA  
745 BANNATYNE AVENUE  
THEATRE C, BASIC MEDICAL SCIENCES BLDG  
WINNIPEG, MANITOBA, CANADA

*The GCCRD gratefully acknowledges the following sponsors:*



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Rady Faculty of Health Sciences  
Max Rady College of Medicine  
Department of Physiology & Pathophysiology  
Office of the Vice-President (Research and International



June 24, 2019

Dr. Sabine Mai  
 Tier I Canada Research Chair in Genomic Instability  
 And Nuclear Architecture in Cancer  
 Director, The Genomic Centre for Cancer  
 Research and Diagnosis  
 University of Manitoba  
 Winnipeg, MB R3T 2N2

Dear Dr. Mai,

Thank you very much for your most kind invitation to the Imaging Symposium you are organizing on the occasion of the 20th anniversary of the Genomic Centre for Cancer Research and Diagnosis. You have certainly assembled a most impressive roster of speakers from around the world to share insights in this field. This is a most fitting way to celebrate the fine work you and your colleagues do every day.

At the Canada Foundation for Innovation we are pleased to add our words of gratitude and congratulations. We are grateful to you, your colleagues and students for the extraordinary research you do. We are grateful to your speakers for joining you on this occasion. We congratulate you on twenty years of success and on the grants you have received from the Canada Foundation for Innovation.

We consider it a great privilege to have been able to provide the equipment which makes your research possible. We thank you for the discoveries you have made and will make. We know that they will be facilitated by the intellectual exchanges you have organized. We applaud your engagement with students who will follow in your footsteps assuring our country of continued leadership in this important area of science. We are grateful to you for your work with highly qualified personnel without whom it would not be possible to pursue your research in genomic instability, cancer genetics and imaging.

I wish I could have been with you today to congratulate you, your colleagues, students and guests in person. I deeply appreciate your desire to recognize the contribution of the Canada Foundation for Innovation and will share your kind words with my colleagues. Happy 20th Anniversary.

Sincerely yours,



Roseann O'Reilly Runte  
 President and CEO

Research builds communities  
 La recherche au service des collectivités

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JUNE 24, 2019

<i>Introductions and Thank You</i>	8:30
Dr. Sabine Mai, University of Manitoba, Canada	
<i>History of the Genomic Center</i>	8:35
Dr. Sabine Mai, University of Manitoba, Canada	
<i>History of Microscopy</i>	9:05
Jim Sharp, Abdel Barraj (Carl Zeiss USA/Canada)	
<i>Words from Dr. Jay Doering, Associate Vice-President (Partnerships)</i>	9:25
University of Manitoba, Canada	
<i>Words from Roseann O'Reilly Runte, President and CEO</i>	9:40
Canada Foundation for Innovation	
<b>Keynote lecture: Dr. Christoph Cremer, IMB, Mainz, Germany</b>	<b>9:50</b>
<b>Functional Nuclear Genome Structure Imaging at Single Molecule Resolution</b>	
<b>Coffee break</b>	<b>10:45</b>
<i>The multi-scale structure of chromatin in the nucleus</i>	11:00
Dr. Yuval Garini, Bar Ilan University, Israel	
<i>Imaging ECM remodeling during cancer progression and metastasis</i>	11:40
Dr. Chris Masden, Lund University, Sweden	
<b>Lunch</b>	<b>12:20</b>
<i>Genomic instability and nuclear architecture of the cancer genome</i>	13:00
Dr. Sabine Mai, University of Manitoba, Canada	
<i>The Reed-Sternberg cell keeps still smiling</i>	13:40
Dr. Hans Knecht, McGill, Jewish General Hosp., Montreal, Canada	
<i>Imaging cellular content with far field and near field (super resolution) infrared light</i>	14:20
Dr. Kathleen Gough, University of Manitoba, Winnipeg, Canada	
<i>Exploring and targeting chromosome instability genes in cancer using quantitative imaging microscopy</i>	15:00
Dr. Kirk McManus, University of Manitoba, Winnipeg, Canada	
<i>MR Spectroscopic Imaging of bile in gall bladder in vivo: correlation with disease</i>	15:40
Dr. Ian Smith, Centre for Imaging Technology Commercialization Winnipeg, London, Toronto	
<i>Dinner for invited speakers and guests</i>	19:00

