



CANADIAN CYTOMETRY & MICROSCOPY ASSOCIATION  
ASSOCIATION CANADIENNE DE CYTOMÉTRIE ET DE MICROSCOPIE

# CytoTimes

VOLUME 3, ISSUE 1

July 8, 2014

## THE CCMA EXISTS TO:

- Encourage the sharing of knowledge regarding flow cytometry and optical microscopy;
- Create a pan-Canadian network of people interested in these cutting-edge technologies;
- Promote scientific exchange;
- Provide educational opportunities from experts in the field for technology users of all levels - beginner to expert.

## Strength in Numbers

Managing a core facility has many challenging scientific and technical aspects (e.g. educating users, optimizing experiments, maintaining instruments) but the rewards of enabling state-of-the-art research and using the technologies to their full potential make tackling these challenges worthwhile. However, increasing funding pressures have facility staff concerned. Connect with other Canadian flow and microscopy facilities by joining our growing list of CCMA Core Facility Members. Currently, our 47 Member Facilities from 5 provinces manage nearly \$100 million worth of CFI-funded flow cytometry and optical microscopy equipment. Membership is free: we only require that you complete a survey detailing what equipment you have and how you pay for maintenance and staffing. As an association we intend to present this data to the major Canadian granting agencies in the fall of 2014, petitioning them to establish a fund to support the operation of core facilities.

[Click here to add your weight to this worthy cause!](#)

## Travel Award Winners!

Congratulations to all of the winners of the CCMA-sponsored travel awards for the "Image Processing and Analysis" workshop taught by John Russ as a pre-meeting event before the 2014 ABRF symposium. Each winner was awarded \$200 by the CCMA to offset the registration cost of the workshop.



# Cytometry.ca- educational and training resources for the cytometry community



The CCMA website ([cytometry.ca](http://cytometry.ca)) now hosts an Educational Resources section divided into content for Flow Cytometry and Optical Microscopy. Each section has annotated links, literature and tools ranging from general purpose learning to experimental design and specific applications. The content has been reviewed by members of the CCMA community to ensure that the material is genuinely useful and accurate. We hope it will be a good resource for the community.

We are also developing training tools to help educate new users of Microscopy and Flow Cytometry facilities. This will include training worksheets and “case-study” style educational materials with the hope that core facilities won’t need to duplicate training efforts in order to serve their users effectively. In addition to this material, if any CCMA members wish to contribute their own training materials to this initiative they can be hosted on [cytometry.ca](http://cytometry.ca). If you have materials to share please email us at [ccma.accm@gmail.com](mailto:ccma.accm@gmail.com).

## CCMA Executive: Secretary Position

The position of Secretary on the CCMA Executive is open and we are considering applicants. The position entails attending and taking minutes for monthly meetings, discussing agenda topics, and planning of the bi-annual symposium, events and affiliated committee activities where applicable.

If you wish to become actively involved in the community and want to volunteer for this position please contact us at [ccma.accm@gmail.com](mailto:ccma.accm@gmail.com).

## Cool Tools



While LED lightbulbs are replacing halogen and compact fluorescent bulbs in our ceiling fixtures, the technology is also transforming our microscopes. Mercury-based fluorescence lamps are hot, require expensive bulb replacements, and consume a lot of power. On the other hand, broadband LED illuminators (such as the [X-Cite 120LED from Lumen Dynamics](#) and the [Sola Light Engine from Lumentec](#)) contain no mercury, consume less power, and run for up to 100,000 hours with no bulb changes.

# Webinar Watch

Webinars can be a great way to get in on high-quality training sessions or tutorials from the comfort of your own desk. Here are some of our favourites:

## Flow Cytometry Sample prep and experimental design

<http://www.innovabiosciences.com/bioconjugation-and-immunoassay-webinars/flow-cytometry-sample-preparation-experimental-design.html>

## FRET for beginners

<http://www.innovabiosciences.com/webinars/a-beginner-s-guide-to-the-principles-and-applications-of-fret.html>

## Super-Resolution Imaging of Neurons

<http://view6.workcast.net/register?pak=5090469753053033&referrer=leicasciencelab>

## Live Cell Imaging

<http://webinar.sciencemag.org/webinar/archive/live-cell-imaging>

## News and Views:

**North East Regional Life Sciences Core Directors Meeting, October 1-3, 2014, Albany, NY**

<https://sites.google.com/a/my.abrf.org/nerlscd/>

**Great Lakes International Imaging and Flow Cytometry Association**

**September 19-21, 2014, Oconomowoc, WI**

<http://www.gliifca.org/>

**Dynamic characterization of growth and gene expression using high-throughput automated flow cytometry.** *Nature Methods* 11(4):443-8

A new flow-based automated method for real-time simultaneous assay of protein synthesis and degradation.

**Flow Cytometry as a preferential platform for process analytic technology**

<http://www.genengnews.com/gen-articles/flow-cytometry-for-pat-it-s-about-time/5164/>

## Meet The CCMA/ACCM Executive...

Our Secretary position is open interested? Contact Us!

## CytoTimes Contributors

Editor-in-Chief: Chris Spring

Assistant Editors: James Jonkman, Claire Brown,

Guillaume Lesage, Marie H  l  ne Lacombe



## Contact us

Website: [cytometry.ca](http://cytometry.ca)

E-mail: [ccma.accm@gmail.com](mailto:ccma.accm@gmail.com)



**Claire Brown, Co-President**

Director - Advanced BioImaging Facility (ABIF), McGill University



**Gisele Knowles, Co-President**

Cytometry Core Manager - Sunnybrook Research Institute



**James Jonkman, Vice President**

Manager - Advanced Optical Microscopy Facility, University Health Network



**Guillaume Lesage, Treasurer**

Administrator - Cell Imaging and Analysis Network, Dept. Biology, McGill University



**Chris Spring, Communications Director**

Research Core Facilities - Li Ka Shing Knowledge Institute, St. Michael's Hospital



**Marie-H  l  ne Lacombe, Public Relations**

Laboratory supervisor- Immunophenotyping Platform MUHC Research Institute



cytometry /cy-tom'-e-try (noun)

The characterization and measurement of cells and cellular constituents.

**5<sup>th</sup>**

# **CYTOMETRY & MICROSCOPY SYMPOSIUM**

**Please Save the Date  
June 18 to 20, 2015**



**Toronto, Ontario**

[www.cytometry.ca](http://www.cytometry.ca)



**CANADIAN CYTOMETRY  
& MICROSCOPY ASSOCIATION**