



# CytoTimes

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## 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.

## 2013 CCMA Symposium Recap

We would like to thank everyone who attended the CCMA symposium in June and the vendor sponsorship that made it possible. The meeting was very well attended with 182 attendees, 62 of whom attended the Core Facility Managers Meeting.



We were fortunate to have Guy Levesque (Director of Programs, CFI) in attendance, who had valuable feedback on how the CFI is evolving their view of infrastructure funding and working to maximize the impact of their investments.

The post-meeting survey made

it quite clear that the Core Facility Managers meeting was so successful that we are hoping to expand the scope of this aspect of the symposium in 2015 in Toronto.



Travel bursaries attracted several attendees from farther afield including Jen Amon, Ryan Brinkman, Pina Colarusso, Katarzyna Stevens, Xuenjun Sun and Christine Zhang all from west of Toronto! This inspired us to form a new outreach committee to continue the expansion of the CCMA both across Canada.

In addition to an excellent key-

note presentation by Dr. Peter Freidl on intra-vital imaging of cancer invasion, the symposium featured several plenary lectures and workshops and a poster competition. Congratulations to Jennifer Lemieux and Denise Wernike, winners of



this year's poster awards.

Lastly, the CCMA is currently working on a new and improved website. There were many suggestions of how we might be able to better serve our members that we hope to include in the new website. Look for this soon at [cytometry.ca](http://cytometry.ca)!

## Core Facilities Survey and the CFI

In order to effectively lobby the CFI on behalf of the core facilities and membership of the CCMA we need as much data as possible on staff, instruments and budgets as possible. To this end we ask that you please fill out a 15 min survey [here](https://surveys.mcgill.ca/limesurvey/index.php?sid=95978&lang=en). This will enable the CCMA to lobby the CFI on meaningful issues pertaining to infrastructure funding and operation in core facilities and will benefit all of us in the long run.

<https://surveys.mcgill.ca/limesurvey/index.php?sid=95978&lang=en>



# Team Science and Big Data: Cores at the Frontier: [conf.abrf.org](http://conf.abrf.org)

The CCMA is an international affiliate of the Association of Biomolecular Resource Facilities (ABRF) who will be holding their annual meeting March 22-25, 2014 at the Albuquerque Convention Centre in New Mexico. The CCMA's Co-President, Claire Brown is helping to organize the light microscopy track for the second year in a row. This will consist of a morning of scientific talks and afternoon round table discussions. Topics will include Intra-vital Imaging, Light Sheet Microscopy: Exploring the Meso Scale, Medium/High throughput imaging, and how to handle big datasets.

In addition, the light microscopy research group will host a session discussion instrument standards and international imaging networks. The highlight of the program is a plenary lecture by Rafael Yuste, Columbia University, one of the founders of the Brain Activity Map Project.

## Techniques in Cytometry: Kinetic Viability Assays Using DRAQ7

Wlodkowic et al. in *Current Protocols in Cytometry* (2013, 9(9):s65) describe a new high throughput assay for the determination of cellular viability using the DRAQ7 probe (~633nm excitation, ~665nm emission). They provide three protocols to 1) kinetically track viability in real-time, 2) a more simplified end-point protocol, and 3) a more complex multi-parameter protocol using DRAQ7 and TMRM. In particular these protocols can circumvent many issues arising due to asynchronous progression of a cell population through various stages of cell death and allows for the dynamic, real-time investigation of cellular viability.

### CCMA Imaging Awards

Awards of \$200 towards the registration cost of attending the ABRF 2014 "Image Processing and Analysis" workshop given by John Russ. **Application deadline: Dec. 15<sup>th</sup>, 2013.** Awards announced by Jan. 15<sup>th</sup>, 2014. To apply send contact information and a short 500 word statement as to how the workshop will assist you in your research to: [ccma.accm@gmail.com](mailto:ccma.accm@gmail.com)

Travel awards will be presented at the Workshop.

# 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. Missed a good one? Don't worry: most webinars are available On Demand after the event has aired! Here are some of our favourites:

## Multi-Point Confocal Microscopy

<http://www.andor.com/learning-academy/a-new-era-for-multi-point-confocal-microscopy-july-2013>

## Correlative Light Electron Microscopy (CLEM): 1+1=3

<http://view6.workcast.net/?pak=5033480577792095>

## Life Technologies: Introductory Topics in Flow On Demand

[http://www.lifetechnologies.com/ca/en/home/brands/molecular-probes/molecular-probes-webinars/flow-cytometry-webinars.html?CID=EM116580\\_4\\_Flow\\_20130909](http://www.lifetechnologies.com/ca/en/home/brands/molecular-probes/molecular-probes-webinars/flow-cytometry-webinars.html?CID=EM116580_4_Flow_20130909)

## Quantitative imaging and analysis in neurons

Rafael Yuste and Arthur Konnerth

<http://view6.workcast.net/?pak=1231911199066302>

## News and Views:

Both the CIAN and ABIF cores at McGill are highlighted for going green with mercury-free microscopy:

<http://www.bioopticsworld.com/articles/print/volume-6/issue-6/departments/news-notes/fluorescence-microscopy-a-program-to-help-labs-go-green.html>

## Meet The CCMA/ACCM Executive...

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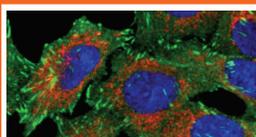
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### cytometry /cy-tom'-e-try (noun)

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