



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

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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.

CCMA 2015 10th Anniversary Symposium Highlights

The Core Facilities Managers meeting (CFM) was very well attended with core representation outside of the traditional flow cytometry and microscopy communities for the first time. This was fueled by a common need to address issues of operations and sustainability regardless of technological preference, as well as travel funding from a CIHR dissemination grant for the meeting. There were several active panel



discussions on core facility financial models, educational resources, infrastructure planning and financial sustainability. Sharyn Szick (CFI Senior Programs Officer) attended and provided in-



sight into how the new \$1.33 billion CFI budget will affect some of these issues. She presented the CFI's perspective on how core facilities play an important role in the efficient use of CFI resources. The CCMA is working with the CFI to identify what specifically constitutes a core facility. A **Canadian core facility network** will be forming, so stay tuned for future developments.

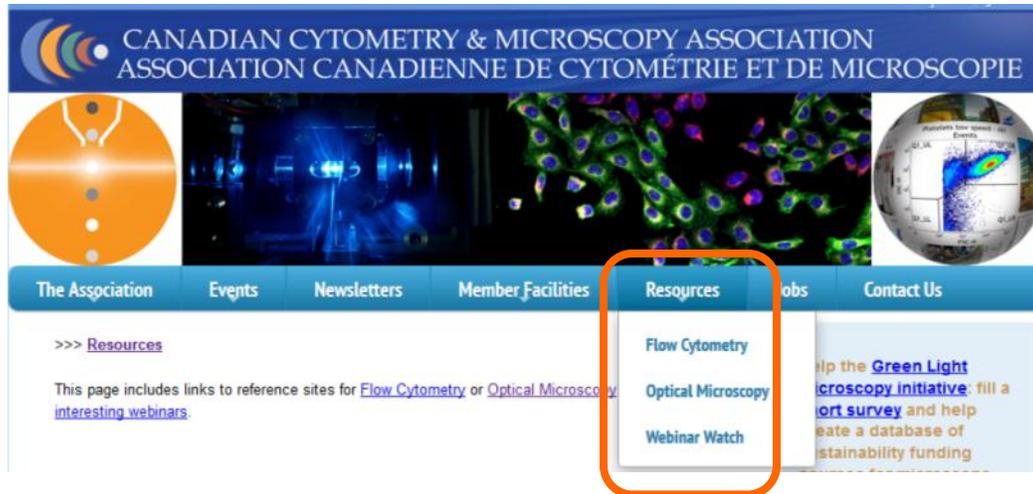
The scientific portion of the symposium was very well attended and featured joint microscopy & flow cytometry sessions on cellular assays and fluorescence probes. David Rimm (Yale University) gave an eye opening talk on

the importance of antibody validation with practical tips on how to validate them. Lunch-n-learn corporate talks and parallel workshops on flow and microscopy provided up-to-date information to keep attendees current on recent technology development and aid them in the performance of high quality quantitative and reproducible flow and microscopy experiments. The keynote lecture was a highlight with Dr. Fran-



cois Jean (UBC), describing his level 3 FINDER core facility and several aspects of his research program on new avenues for anti-viral therapies.

Educational Resources



During the Core Facility Managers Meeting there was a discussion about how the Educational Resources committee can provide value to the flow and microscopy community. There was significant interest in generating basic training materials that cytometry & microscopy cores could use to “pre-train” their users with in a hands-free manner. Users of the core facility would then be well prepared for their initial one-on-one training sessions with a reasonable level of background knowledge. Initially, the committee will post standalone PowerPoint presentations with accompanying quizzes that have been developed with community input to ensure the content represents an appropriately broad and accurate perspective. In the future, the group would like to develop educational videos with embedded tests that will allow users to provide a certificate of training to core facility staff before booking initial training sessions. We also wish to welcome Vera Tang and Aja Reiger to the Educational Resources committee. Check out all of our resources at www.cytometry.ca.

Congratulations to our Poster & Travel Award Winners – 10th CCMA Symposium

Congratulations to the winners of the CCMA poster awards valued at \$250: Vera Tang - U. Ottawa for “*Single-particle detection of vaccinia virus by flow cytometry*” and Colton Boudreau - McGill U. “*Paxillin binding partner dynamics using image correlation microscopy*”. CCMA travel awards valued at \$500 went to Monica Palou (McGill U.), Katarzyna Stevens (U. Calgary), Youssef Chelbi (U. Montreal), Aja Reiger (U. Alberta), and Susan Belfry (UNB).

Congratulations to all of our award winners and thank you to our CCMA poster judges and our guest poster judges-Peter Lopez and Francois Jean.



Cool Tools



The [CytoSMART](#) system fits inside an incubator and allows for remote cloud-based imaging and monitoring of cell health, cell growth & confluence. It can be used to monitor hypoxic cell growth & cell migration. It can even alert users on a PC, smartphone or anywhere with web access when the culture reaches a desired confluence!

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:

Proliferation Monitoring-Lesson1: Basics of the Cell Cycle

<http://cytou.peachnewmedia.com/store/seminar/seminar.php?seminar=46121>

RNA Flow Cytometry

<http://cytou.peachnewmedia.com/store/seminar/seminar.php?seminar=45442>

Light Sheet Microscopy for Tissue Clearing Applications and 3D Live Fluorescent Imaging

<http://www.ando.com/learning-academy/light-sheet-microscopy-for-tissue-clearing-applications-and-3d-live-fluorescent-imaging-july-2015>

Advances in Live Cell Imaging

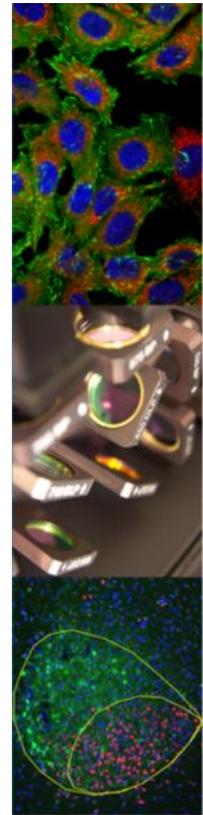
<https://www.labroots.com/ms/webinar/id/135/Leica-Horner-Jones-Kleine-Sept15>

Airyscan—A novel approach to confocal imaging

<http://blogs.zeiss.com/microscopy/news/en/free-zeiss-webinar-airyscan-a-novel-approach-to-confocal-imaging-first-user-insights/>

Cell Sorting (Rui Gardner) October 29, 10:00 am EST

<http://cytou.peachnewmedia.com/store/seminar/seminar.php?seminar=47687>



Meet The CCMA/ACCM Executive...

CytoTimes Contributors

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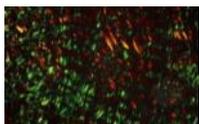
Guillaume Lesage, Marie H el ene Lacombe



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

The characterization and measurement of cells and cellular constituents.



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Upcoming Elections

The CCMA Executive Board Elections will take place in December, with the following positions up for election/re-election:

Co-President #1 (Microscopy)

Communications Director

Vice-President

Secretary

The CCMA Bylaws and the rules governing these elections can be found [here](#). If you are interested in gaining valuable experience in leadership, networking, project management [sign up](#) now and to give back to the cytometry community! Details for each position can be found on the CCMA website. The basic commitment involves monthly meetings by Skype and offline involvement with education, outreach, newsletter content and planning, with a focus on the next CCMA meeting in Montreal in 2017. Nominations can be emailed to ccma.accm@gmail.com. Please include a CV, the position you are interested in and a short cover-letter describing your qualifications and why you wish to join the CCMA.

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