CANADIAN CYTOMETRY & MICROSCOPY ASSOCIATION

ASSOCIATION CANADIENNE DE CYTOMÉTRIE ET DE MICROSCOPIE

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.**

CCMA Symposium: June 13-15 in Montreal

Biotechnologies to Shed Light on Diseases

This year's CCMA symposium will be held at the McGill University New Residence Hall from Thursday June 13 to Saturday June 15th. The symposium starts off Thursday afternoon with a **core facility managers meeting** and networking dinner followed by 2 days of extensive programming valuable to both newcomers and experts in the field.

This year's format features invited plenary sessions and concurrent workshops for flow cytometry and microscopy (see page 2 for workshop titles). The keynote will be delivered by Dr. Peter Freidl on the topic *"Preclinical infrared multiphoton microscopy: deep insights into tumor progression and therapy response".* Vendor exhibits by both flow and microscopy companies will showcase the latest instrumentation.

Register now: $350 for regular attendees, $200 for students. See full program online at regonline.com/ccma-accm2013.

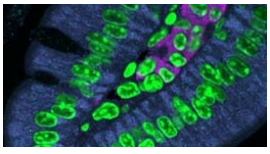
Register at: regonline.com/ccma-accm2013

CIHR IRSC
Canadian Institutes of Health Research | Instituts de recherche en santé du Canada

CCMA2013 is funded by a CIHR dissemination grant.

EuroFlow consortium clinical panel workshop

We are pleased to announce that this year's meeting will feature a workshop on clinical flow cytometric diagnostic and classification panels for hematologic malignancies. The workshop will feature Dr. Juan Flores Montero, a EuroFlow consortium specialist. There will also be a discussion on panel design and the EuroFlow inspired software analytical programs. We will also hear from Dr. Ryan Brinkman on the Canadian initiative to standardize marker panels for diagnosing hematologic malignancies. Other flow workshops will include working with rare cells, standardizations, small particles, mass panel flow and cluster analyses.



cytometry /cy-tom'-e-try (noun)
The characterization and measurement of cells and cellular constituents.

CCMA 2013 at a glance

Workshops:

Microscopy

- Super-resolution imaging
- Imaging living samples
- Which 3D microscopy technique should I use?
- Quantitative imaging

Flow Cytometry

- Rare cell analysis in flow
- Clinical flow applications, analysis and bioinformatics
- Flow panel designs and standardization
- Small particle analysis by flow
- Mass panel, mass data flow cytometry

Keynote:

Peter Freidl– Preclinical infrared multiphoton microscopy: deep insights into tumor progression and therapy response

Plenaries:

Connie Krawczyk– Detecting antigen-specific T cell responses

Luke McCaffrey– Par/aPKC polarity signaling in epithelial morphogenesis and cancer

Joaquim Madrenas– Taming a superbug: The *S.aureus* story

Anne McKinney- Novel insights into dendritic spine maintenance and motility

Core Facility Manager's Meeting:

Core Facility Based Associations
Training Approaches
Running a Core on a Lean Budget
Institutional or Group Service Contracts
Funding Sources and Institutional Support

See full program and register at:
regonline.com/ccma-accm2013

Report on ABRF annual meeting, March 2-5, 2013, Palm Springs

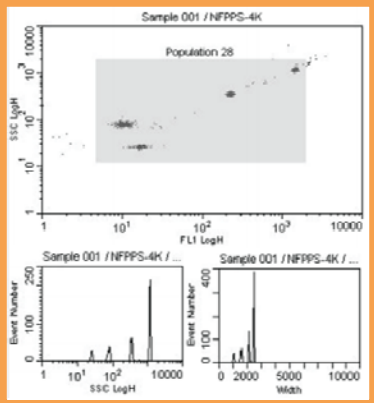
The Association of Biomolecular Resource Facilities (ABRF) held its annual meeting in sunny Palm Springs, CA, earlier this year, with three CCMA members in attendance. This international professional society for core facility personnel, managers, and administrators once again surpassed expectations with a program that included seminars, workshops, technical roundtables, plenary sessions, and plenty of networking opportunities. The activities were organized in four parallel tracks, which included light microscopy for the first time, along with proteomics, genomics, and core administration. Vendors from all fields were represented in the exhibit hall and in technical talks, and are also actively involved in the research activities initiated by ABRF.

Besides the now well-established Light Microscopy Research Group (chaired by CCMA co-president Claire Brown), a new research group on flow cytometry was launched this past year, further rounding out the wide array of fields covered by the organization.

To learn more about ABRF and how you can benefit from the interactions fostered by this association, visit their web site at www.abrf.org.

Cool Tools

Traditional analysis of microparticles using standard flow cytometry utilizes MegaMix beads to define appropriate threshold and gates. Higher sensitivity flow cytometers are emerging that allow the interrogation of particles of smaller and smaller sizes. Spherotech provides fluorescent nanoparticles covering a range of sizes (~1.3—.22µm) which can be observed and fluorescently thresholded on virtually any cytometer.



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. Try these ones live, or if you miss them, catch up with On Demand:

Science Magazine: http://webinar.sciencemag.org/
- *What Cytometry Can Do For You: The Pros and Cons of Image and Flow Cytometry*
- *Live Cell Imaging: The Future for Discoveries*

Life Technologies: http://www.invitrogen.com/site/us/en/home/support/Webinars.html
and http://www.invitrogen.com/site/us/en/home/brands/Molecular-Probes/Molecular-Probes-Webinars.html
- *Flow Cytometry in Microbiological Research*
- *An Introduction to Flow Cytometric Analysis using Molecular Probes® Reagents: A 2-Part Series*

Lumen Dynamics: http://www.ldgi-xcite.com/news-webinars.php
- *Is Pulsed LED Illumination Less Damaging to Living Cells?*
- *Lamp? LED? Laser? Which Light Source is Best for your Microscopy Application?*

Biotechniques: http://www.biotechniques.com/microscopy
- *Confocal and two-photon microscopy methods for imaging the brain*

EMD Millipore: www.millipore.com/biowebinars
- *Biomarker studies, imaging cytometry, and webinar archive indexed by topic and technique*

Microscopy & Analysis: http://www.microscopy-analysis.com/light/learn-develop/webinars
- *From Epifluorescence to Super-resolution in 3D: Exploring the secrets of cellular logistics*

Meet The CCMA/ACCM Executive...

Claire Brown, Co-President
Director - Imaging Facility, Life Sciences Complex, McGill University

Gisele Knowles, Co-President
Cytometry Core Manager -Sunnybrook Research Institute

James Jonkman, Vice President
Manager –Advanced Optical Microscopy Facility, University Health Network

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Association Canadienne de Cytométrie et de Microscopie (ACCM)

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The **Canadian Cytometry & Microscopy Association**
invites you to

4th CYTOMETRY & MICROSCOPY SYMPOSIUM

June 13th to 15th, 2013
McGill University, Montreal

Keynote Address:

Intravital Microscopy of Cancer Invasion, Therapy Response and Resistance

Peter Friedl, MD, PhD

Professor, Radboud University
Nijmegen Medical Center, The Netherlands

Core Facility Meeting

Plenary Talks

2 student poster prizes

Workshops

Register Now!

www.regonline.com/ccma-accm2013

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