



**Bionano Spring Workshop 2016**  
**McIntyre Medical Sciences Building**  
**Tailoring Science Communication to Your Audience**  
**Thursday, May 26, 2016**

**8:30am - 8:55am Registration (Room 206)**

**9:00am - 10:15am Developing Images that Attract Readers to Your Research (Room 206)**

**Dr. Chris Corkery** (*McGill University*)

Images can contribute to scientific understanding and/or research uptake by communicating the 'story' of the research in a compelling way to both scientists and non-scientists. This interactive workshop is designed to teach students how to: 1) evaluate the visual and expressive impact of images; 2) improve images and image captions to attract readers to their research.

**10:15am - 10:30am Light Refreshments (Room 206)**

**10:30am - 12:00pm Public Science Communication (Room 206)**

**Ms. Carole Graveline & Christopher Chipello** (*McGill Media Relations Office*)

This workshop is designed to help participants talk about their research in ways that are accessible and interesting to people outside their field. We will include a range of exercises to enhance the participants' presentation skills and gain practice in telling stories about their research.

**12:00pm - 12:30pm Catered Lunch (Room 1019)**

**12:30pm - 1:30pm Academia Roundtable Discussion – How did you get here? (Room 1034)**

**Prof. Anne English** (*Concordia University*)

**Prof. Anthony Mittermaier** (*McGill University*)

**1:30pm - 2:30pm How to Write to a Lay Audience (Room 206)**

**Dr. Yvonne Hung** (*Graphos/McGill Writing Centre*)

Increasingly, scientists are being asked to write for lay audiences, yet some may find it hard to explain complex research findings, without technical language, in a clear and concise way. Attendees will learn cornerstones of academic writing and how to apply specific sentence-level revisions to improve their own writing.

**2:30pm - 2:45pm Light Refreshments (Room 206)**

**2:45pm - 4:00pm Social Media for Scientists: If you tweet it, they will follow (Room 206)**

**Dr. Sophia Kapchinsky** (*McGill University*)

How can you use social media strategically as a means to disseminate your research, network with others in your field, and communicate scientific findings to the general public? This session is designed to provide an overview of the kinds of social media platforms typically used by scientists and provide strategies to create and share content that will reach your intended audience.



**Bionano Spring Workshop 2016**  
**McIntyre Medical Sciences Building**  
**Trainee Discussions**  
**Friday, May 27, 2016**

**9:00am - 9:30am Registration (Room 1019)**

**9:30am - 10:30am Trainee Talks and discussions (Room 1034)**

**Donatien de Rochambeau** (*H. Sleiman Lab – McGill University*)

Sequence-Controlled "DNA-Teflon" Polymers

**Yu Chen** (*K. Gehring Lab – McGill University*)

Structural characterization of poly (A)-binding protein's interaction with Paip1 and Paip2

**Lauralicia Sacre** (*C. Wilds Lab - Concordia University*)

O6-Alkylguanine DNA Alkyltransferase Mediated Repair of Modified O4-Alkyl-pyrimidines

**John Ross** (*S. Leslie Lab – McGill University*)

CLiC kICS analysis of weak and slow molecular dances

**10:30am - 10:45am Light Refreshments (Room 1019)**

**10:45am - 12:00pm Trainee Talks and discussions (Room 1034)**

**Daniel Berard** (*S. Leslie Lab – McGill University*)

Confinement-induced DNA Templating and Controlled Ligation

**Pongphak Chidchob** (*H. Sleiman Lab – McGill University*)

Synergy of Two Assembly Languages in DNA Nanostructures: Self-Assembly of Sequence-Defined Polymers on DNA Cages

**Shafqat Rasool** (*J.F Trempe Lab – McGill University*)

Characterization of the Ubiquitin Kinase Activity of PINK1

**Alan A. Lopes** (*A. English Lab - Concordia University*)

Heme trafficking between proteins in yeast mitochondrion

**Kipunsam Lee** (*J. Young Lab - McGill University*)

Heat shock response and the biological role of DNAJB1 in protein quality control

**12:00pm - 1:00pm Lunch (Room 1019)**



**1:00pm - 2:00pm “Opportunities in Industry and Academia” Roundtable discussion (Room 1034)**

Industry partners and faculty presentations (open discussion). The purpose of the roundtable discussion is to provide a venue for communication and collaboration among students and industry partners, advocates and researchers.

**Dr. Peter White** (Executive Director, Biological Sciences, *Paraza Pharma Inc.*)

**Dr. Eric Grazzini** (Team Leader Rapid Protein Production Life Sciences, *NRC of Canada*)

**Prof. Youla Tsantrizos** (Professor, *McGill University*)

**Dr. Laura Pavelka** (Faculty Lecturer, *McGill University*)

**2:00pm -3:00pm Trainee Exchanges (Room 1034)**

**Robert Harkness** (*Mittermaier Lab - McGill University*) International exchange performed at Frontier Institute for Biomolecular Engineering Research, Kobe Japan

**Kris Bloudoff** (*Schmeing Lab - McGill University*) Industrial International exchange performed at H3 Biomedicine Cambridge, Massachusetts, USA

**Gil Henkin** (*Leslie Lab - McGill University*) Academic exchange performed in Sleiman Lab

**3:00pm - 3:15pm Light Refreshments (Room 1019)**

**3:15pm - 4:45pm Trainee Talks and discussions (Room 1034)**

**Danny Bousmail** (*H. Sleiman Lab – McGill University*)

A Monodisperse DNA Nanoparticle Platform for Delivery of Chronic Lymphocytic Leukemia Small Molecule Drugs

**Frank Stabile** (*S. Leslie Lab – McGill University*)

Convex Lens-induced Confinement to Visualize Biopolymers and Interaction Parameters

**Kathy Wong** (*K. Gehring Lab – McGill University*)

Structural mimicry by a bacterial F-box effector hijacks the host ubiquitin proteasome pathway

**Yasser Gidi** (*G. Cosa Lab – McGill University*)

Single Molecule Studies on the Replication Machinery of Hepatitis C Virus

**Daniel E. Calles** (*K. Gehring Lab – McGill University*)

Insights into UGGT1, the ER misfolded protein sensor, using electron microscopy

**Alex Rousina-Webb** (*H. Sleiman Lab*)

Metal Modified DNA Double Crossover Molecules

**4:45pm Closing Remarks**