

CSI Program 2018 / Programme de la SCI 2018

31st Annual Spring Meeting of the Canadian Society for Immunology 31^e Réunion annuelle de la Société canadienne d'immunologie

Western University, London, Ontario
June 1 – 4, 2018 / 1 – 4, juin 2018

Friday, June 1 / Vendredi, 1 juin

- 15:00 – 21:00 CSI Meeting Registration / Inscriptions (*Social Science Centre Foyer*)
- 15:00 – 20:00 Exhibitor Set-up / Installation des exposants
Poster Set-up / Installation des affiches
(*University Community Centre - Mustang Lounge*)
- 16:00 – 20:00 CSI Council Meeting / Réunion du Conseil de la SCI (*CSI Council only*)
(*Somerville House - Room 3320*)
- 16:00 – 18:00 Career Development Session for Trainees / Réunion pour les étudiants/post-docs (*Social Science Centre – Rm 2050*)
“How to Succeed in Science Without Really Trying”
Dr. Jonathan Yewdell, *Senior Investigator, Cellular Biology and Viral Immunology Section, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD, USA*
- 18:00 – 20:00 Trainee Mixer / Soirée d'étudiants/post-docs
Music provided by Western Music Students
(*University Community Centre – Community Room, 2nd Floor*)
- 18:30 – 20:00 Registrants on their own for dinner / Le souper n'est pas fourin
- 20:00 Exhibits Open (*University Community Centre - Mustang Lounge*)

20:30 – 21:30 **Keynote Address** (*Social Science Centre – Rm 2050*)

“The Microbiome in Carcinogenesis and Cancer Therapy”

Dr. Giorgio Trinchieri, *Program Director, Cancer and Inflammation Program; NIH Distinguished Investigator; Head, Cancer Immunobiology Section, Center for Cancer Research, National Cancer Institute, Bethesda, MD, USA*

21:30 – 23:30 Opening Reception / Réception d’ouverture

(*University Community Centre - Mustang Lounge*)

Meet the Exhibitors / Rencontre des exposants

Saturday, June 2 / Samedi, 2 juin

07:00 Registration / Inscriptions (*Social Science Centre Foyer*)

07:00 – 09:00 Breakfast / Déjeuner (*Dining Hall 1 – Ontario Hall*)

Poster Set-up Odd / Installation des affiches impaires (*University Community Centre - Mustang Lounge*)

08:30 Meet the Exhibitors / Rencontre des exposants
(*Social Science Centre Foyer*)

Sponsored by / Parrainé par:

CIHR – Institute of Infection and Immunity

09:00 – 12:00 **Symposium 1: Aging & Immunosenescence: Susceptibility to Infection and Implications for Vaccination** (*Social Science Centre – Rm 2050*)

Chairs: **Dr. Graham Pawelec**, *University of Tuebingen Center for Medical Research (ZMF), Tuebingen, Germany*; **Dr. Janet McElhaney**, *Health Sciences North Research Institute, Sudbury, Ontario, Canada*

- 09:00 – 09:30 "Immunity and Aging: Causes and Consequences of Immunosenescence in Humans"
Dr. Graham Pawelec, *Professor of Experimental Immunology, Second Department of Internal Medicine, University of Tuebingen Center for Medical Research (ZMF), Tuebingen, Germany*
- 09:30 – 10:00 "Age-associated Inflammation Impairs Monocyte and Macrophage Development and Function"
Dr. Dawn Bowdish, *Associate Professor, Canada Research Chair in Aging & Immunity, McMaster University, Hamilton, ON, Canada*
- 10:00 – 10:30 "Obesity Induces B Cell Immunosenescence and Accelerates Defects in the Response of Elderly Individuals to Vaccination"
Dr. Daniela Frasca, *Research Assistant Professor, Department of Microbiology and Immunology, University of Miami, Miller School of Medicine, Miami, FL, USA*
- 10:30 – 11:00 Refreshment Break / Pause
Meet the Exhibitors / Rencontre des exposants (*University Community Centre - Mustang Lounge*)
- 11:00 – 11:30 "Immune Responses to Vaccination in Aging: Insights into Frailty and Physical Resilience"
Dr. George Kuchel, *Professor of Medicine; Citicorp Chair in Geriatrics and Gerontology; Director, UConn Center on Aging; Chief, Division of Geriatric Medicine, UConn Health, Farmington, CT, USA*
- 11:30 – 12:00 "Restoring Age-related Declines in CD8 T Cell Effector Responses to Influenza: A Strategy for Developing New Vaccines with Enhanced Protection in Older Adults"
Dr. Janet McElhaney, *Health Sciences North Volunteer Association Chair in Healthy Aging; Vice President Research and Scientific Director; Professor, Health Sciences North Research Institute, Sudbury, Ontario, Canada*
- 12:00 Exhibits Close / Fermeture des kiosques

Sponsor Presentations:

12:00 – 12:07 “New technologies for straightforward and flexible magnetic cell separation and analysis of primary cells”

Brendan McIntyre, *PhD, Technical Sales Consultant, Miltenyi Biotec*

12:07 – 12:12 “Accelerating Discovery and Innovation with Immunosequencing”

Patrick Raber, *Scientific Liaison, Adaptive Biotechnologies*

12:12 – 12:17 “Precision Without Complexity – Multi-Application Sorting With MA900”

Gisele Knowles, *Field Specialist, Sony Biotechnology Inc.*

12:17 – 12:24 “Advancements in Immune Cell Isolation Technology”

Amanda Vanden Hoek, *Senior Product Marketing Manager, Cell Separation, StemCell Technologies*

12:30 – 14:30 Buffet Lunch / Dîner (*Somerville House - Great Hall - Rm 3326*)

13:00 – 14:00 1-minute, 1-slide Presentations (*Somerville House - Great Hall Rm 3326*)

Poster Set-up, Recreation / Installation des affiches, Pause
(*University Community Centre - Mustang Lounge*)

Sponsored by / Parrainé par:

Miltenyi Biotec, StemCell Technologies Inc.

Concurrent Sessions:

14:30 – 16:30 **Workshop 1 / Atelier 1** (*University Community Centre – Rm 56*)

Leukocyte Development, Activation and Signalling

Chairs: Dr. Sung Kim, *Western University*

Dr. Claudia Duerr, *Institute of Microbiology – Charité Berlin*

14:30 – 16:30 **Workshop 2 / Atelier 2** (*University Community Centre – Room 41*)

Host-Pathogen Interactions: From Innate to Adaptive Host Responses

Chairs: Dr. Kelly Summers, *Western University*

Dr. Matthew Miller, *McMaster University*

16:30 – 17:45 **CIHR – III Open Discussion** (*University Community Centre – Room 146*)

Moderator: **Dr. Bhagi Singh**, *Western University*

Speaker: **Dr. Marc Ouellette**, *Scientific Director, CIHR-III*

17:45 – 18:30 “The Off-Target Effects of Vaccines: Benefits and Collateral Damage”

Dr. Eleanor Fish, *Senior Scientist, Toronto General Hospital Research Institute, University Health Network, Professor, Dept. Immunology, University of Toronto*”

18:30 – 20:00 Buffet Dinner / Souper (*Somerville House - Great Hall - Rm 3326*)

19:00 – 19:30 Performance by Comedian – **Patrick Coppolino**



Since first stepping foot on his first stage at the age of 19 years old in Hamilton, Ontario, where he calls home, Patrick decided to walk the path of a stand-up comedian. Since then, he has honed his craft with an honest, no holds barred routine, sharing stories of the best and worst moments in his life, including the glories & pitfalls of being a young, single parent. It's evident in his act, which has audiences laughing all across North America, that 'embarrassment' is not in Patrick's vocabulary. Patrick has opened for the likes of Ari Shaffir (Comedy Central), Gilbert Gottfried (Comedy Central), Brian Posehn (The Sarah Silverman Program), Neil Hamburger, and most recently Tom Green (MTV), with whom Patrick has been touring the world since 2013.

20:00 – 22:00 **1st Poster Session / 1^{ère} Séance d'affiches** (*University Community Centre - Mustang Lounge*)

Odd Numbered Posters / Affiches à numéros impaires

Cash bar / bar payant

Meet the Exhibitors / Rencontre des exposants

22:00 Exhibits Close / Fermeture des kiosques

Remove Odd Numbered Posters / Retirer les affiches à numéros impaires

Sunday, June 3 / Dimanche, 3 juin

- 07:00 – 08:30 Breakfast / Déjeuner (*Dining Hall 1 – Ontario Hall*)
Poster Set-up Even / Installation des affiches paires (*University Community Centre - Mustang Lounge*)
- 08:00 Meet the Exhibitors / Rencontre des exposants (*Social Science Centre Foyer*)

**Sponsored by / Parrainé par:
BioLegend**

- 08:30 – 12:00 **Symposium II: Conventional and Unconventional T Cell Development: Fate Choices & Spatial Factors**
(*Social Science Centre Room 2050*)
Chairs: **Dr. Troy Baldwin**, *University of Alberta*; **Dr. Heather Melichar**, *Centre de recherche Hôpital Maisonneuve-Rosemont*
- 08:30 – 09:00 "Strong TCR Signaling During Development: A Prelude to Death...or is it?"
Dr. Troy Baldwin, *Associate Professor, Dept. of Medical Microbiology & Immunology, University of Alberta, AB, Canada*
- 09:00 – 09:30 "Integration of Intrinsic and Extrinsic Factors in Programming of IL-17 Producing Gamma-Delta T Cells"
Dr. Michele Anderson, *Senior Scientist, Biological Sciences, Odette Cancer Research Program, Sunnybrook Research Institute; Associate Professor, Department of Immunology, University of Toronto, Toronto, ON, Canada*
- 09:30 – 10:00 "Thymus Selection of Soldiers and Peacekeepers"
Dr. Kristin A. Hogquist, *Professor, Microbiology Immunology and Cancer Biology Program, Department of Laboratory Medicine and Pathology, University of Minnesota, Minneapolis, MN, USA*

- 10:00 – 10:30 Refreshment Break / Pause (*University Community Centre - Mustang Lounge*)
- 10:30 – 11:00 "The Fast-Track to Thymic Central Tolerance"
Dr. Lauren Ehrlich, Associate Professor, Department of Molecular Biosciences, Institute for Cellular & Molecular Biology, University of Texas at Austin, Austin, TX, USA
- 11:00 – 11:30 "Regulatory T Cell Choreography Directed by Endogenous Self Ligands"
Dr. Peter Savage, Associate Professor, Department of Pathology, The University of Chicago, Chicago, IL, USA
- 11:30 – 12:00 "Aire-Dependent vs. -Independent Tissue Restricted Antigen Expression Induces Distinct Autoreactive T Cell Fates"
Dr. Heather Melichar, Assistant Professor, Immunology-Oncology, Centre de recherche Hôpital Maisonneuve-Rosemont, Centre affilié à l'Université de Montréal, Montreal, QC, Canada
- 12:00 Exhibits Close / Fermeture des kiosques

Sponsor Presentation:

- 12:00 – 12:10 "TotalSeq: Reagents for Simultaneous Measurement of RNA and Protein"
Karen Morley, PhD, Applications Scientist I, BioLegend
- 12:10 – 13:10 CSI Annual General Meeting / Assemblée Générale de la SCI
(*Social Science Centre Room 2050*)
- 12:10 – 13:30 Buffet Lunch / Dîner (*Somerville House - Great Hall - Rm 3326*)
- 12:30 – 13:30 1-minute, 1-slide Presentations (*Somerville House - Great Hall Rm 3326*)
Poster Set-up, Recreation / Installation des affiches, Pause
(*University Community Centre - Mustang Lounge*)

Sponsored by / Parrainé par:
Miltenyi Biotec, StemCell Technologies Inc.

Concurrent Sessions:

13:30 – 15:30 **Workshop 3 / Atelier 3** (*University Community Centre – Rm 56*)

Immune-Mediated Diseases: Tolerance, Autoimmunity and Inflammation

Chairs: Dr. Lisa Cameron, *Western University*

Dr. Colin Anderson, *University of Alberta*

13:30 – 15:30 **Workshop 4 / Atelier 4** (*University Community Centre – Rm 41*)

Tumor Immunology, Immunotherapy and Vaccination

Chairs: Dr. Lakshman Gunaratnam, *Western University*

Dr. Michele Ardolino, *University of Ottawa*

15:45 – 17:45 **2nd Poster Session / 2^{ème} Séance d'affiches** (*University Community Centre - Mustang Lounge*)

Even Numbered Posters / Affiches numéros pairs

Meet the Exhibitors / Rencontre des exposants

Cash bar / Bar payant

17:45 Exhibits Close / Fermeture des kiosques

Remove Even Numbered Posters / Retirer les affiches à numéros pairs

18:00 – 19:00 **Bernhard Cinader Award Lectureship / Conférence du prix Bernhard Cinader** (*Social Science Centre Room 2050*)

“Edge to Edge, Look Straight Ahead”

Dr. Michael Grant, *Professor of Immunology, Division of BioMedical Sciences, Faculty of Medicine, Memorial University of Newfoundland*

- 19:30 Banquet Dinner / Banquet (*Somerville House – Great Hall – Room 3326*)
- 21:00 Presentation of John D Reynolds Award, Investigator Awards and Travel/Poster Awards / Présentation de bourses de voyages et prix des chercheurs
- 21:30 Performance by **Swagger**: London's favourite party band, Swagger, has been packing dance floors since 2013 with their mix of pop, rock and country from the 70s, 80s, 90s and today. Hit songs combined with a high-energy show and fun crowd atmosphere earned the band a 2017 Jack Richardson London Music Award for Fan Favourite and a nomination for Best Cover Band and now a 2018 nomination for best cover band!



Monday, June 4 / Lundi, 4 juin

- 07:00 – 09:00 Breakfast / Déjeuner (*Dining Room 1 – Ontario Hall*)
- 09:00 – 12:00 **Symposium III: Cancer Immunotherapy: Basic Mechanisms & Clinical Promise** (*Social Science Centre Room 2050*)
- Chairs: **Dr. Pamela Ohashi**, *University of Toronto*; **Dr. Julian Lum**, *University of Victoria*
- 09:00 – 09:30 “Understanding T Cell Metabolism for Use in Adoptive Cell Therapy”
- Dr. Julian Lum**, *Senior Scientist, BC Cancer – Victoria; Associate Professor, Dept. of Biochemistry and Microbiology, University of Victoria, Victoria, BC, Canada*
- 09:30 – 10:00 “Metabolic Control of T Cell Subsets in the Tumor Microenvironment”
- Dr. Weiping Zou**, *Charles B. de Nancrede Professor of Surgery, Immunology and Biology, University of Michigan; Co-Director of the Tumor Immunology and Transplantation Biology Program, Ann Arbor, MI, USA*

- 10:00 – 10:30 “Cellular Stress and Control of Inflammation in the Tumor Microenvironment”
Dr. Tracy McGaha, *Senior Scientist, Tumour Immunotherapy Program, Princess Margaret Cancer Centre, University Health Network; Associate Professor, Department of Immunology, University of Toronto, Toronto, ON, Canada*
- 10:30 – 11:00 Refreshment Break / Pause (*Social Science Centre Foyer*)
- 11:00 – 11:30 “Regulatory T-cells and Their Shades of Grey in Cancer”
Dr. Khashayarsha Khazaie, *Professor, Department of Immunology, Mayo Clinic, Rochester, MN, USA*
- 11:30 – 12:00 “Insights in Immune Regulation From the Tumor Microenvironment”
Dr. Pamela Ohashi, *Director, Immune Therapy Program, Ontario Cancer Institute; Co-Director, Campbell Family Institute for Breast Cancer Research; Director, Tumor Immunotherapy Program, Princess Margaret Cancer Centre, University Health Network; Professor, Department of Medical Biophysics, University of Toronto, Toronto, ON, Canada*
- 12:00 – 14:00 Lunch / Dîner (*Somerville House – Great Hall – Room 3326*)
- 14:00 CSI Meeting Ends / Fin de la Conférence

*Thank you and have a safe journey
Merci, au revoir et bon voyage de retour*