

Department of Immunology

Newsletter

VOL VI – ISSUE 6

February 2018

*Message from the Acting
Chair,*

Dr. Dana Philpott



Hello Immunology folks!

We will be having a **faculty meeting** March 19, 2018 from 11:30am – 1pm at the Faculty Club. Agenda to follow. Please mark your calendars!

Sadly, a member of the Immunology community, **Dr. John Roder**, Senior Scientist at the Lunenfeld-Tanenbaum Research Institute, passed away in January. Dr. Roder studied natural killer cells and mid-career, changed his focus to neuroscience. He was a world leader in this field and was instrumental in developing new tests and mouse models of psychiatric disease. Please see the following link:

http://research.lunenfeld.ca/rssnews/?page=2174&sign_on

Good luck with grant writing for those of you in this round!

Also, please join me in welcoming Mariam Irshad - our new Undergraduate Assistant.

UPCOMING SEMINARS

EASTON SEMINAR

March 2018

Room 2172 MSB at 11:10 a.m.

Monday, March 5, 2018

Dr. Julie Blander

“Detecting and Responding to Microbial Viability”

Host: Tracy McGaha

Monday, March 26 2018

Dr. Luis Barreiro

Title: TBA

Host: David Brooks

CONGRATULATIONS TO MSc CANDIDATE

Kaveh Farrokhi (Levy Lab)
January 16, 2018

CONGRATULATIONS TO PhD CANDIDATE

Tracy In (Anderson Lab)
January 30, 2018

UPCOMING STUDENT SEMINARS

March 2018

Room 2173 MSB 10:00 to 11:00 am

Monday March 5th, 2018

Priya Makhijani (Supervisor: T. McGaha)

Title: TBA

Lewis Liu (Supervisor: S. MacParland)

“Targeting Tumor Associated Macrophages to Boost Host Immunity in Human Hepatocellular Carcinoma”

Monday March 12th, 2018

Leslie Leung (Supervisor: G. Ehrhardt)

“Exploration of Variable Lymphocyte Receptor-based Chimeric Antigen Receptors”

Adrian Kuipery (Supervisor: A. Gehring)

Title: TBA

Monday March 19th, 2018

Aaron Trotman-Grant (Supervisor: D. Philpott)

Title: TBA

Lisa Hung (Supervisor: T. Eiwegger)

“Development of a PCIS model to study food allergy in vitro”

Monday March 27th, 2017

Logan Smith (Supervisor: B. Treanor)

“Investigating the role of Galectin 9 in B cell development and autoimmunity”

Carolina Munoz-Grajales (Supervisor: J. Wither)

“Insights into the immune mechanisms that accompany the onset of symptoms in anti-nuclear antibody (ANA) associated Systemic Autoimmune Rheumatic Diseases”

DEADLINES/REMINDERS

Graduate Admissions

The first round of admissions is complete. Faculty will soon receive a list of entering students and rotation schedules will begin to be set.

The final deadline to apply for September 2018 is April 30, 2018.

UPCOMING AWARD DEADLINES

OGS (Domestic and International) – March 9, 2018.

For more information on this competition, please visit the SGS website: <http://www.sgs.utoronto.ca/currentstudents/Pages/Ontario-Graduate-Scholarship.aspx>

QEII-GSST Aventis Pasteur (open to Immunology only) – March 9, 2018. Applicants must apply for OGS to be considered for this award.

Faculty of Medicine QEII-GSST – To apply for this award, students must complete an OGS application (due March 9, 2018) and complete an online Faculty of Medicine QEII-GSST Cover Page (Monday, April 3, 2018). For more information, please visit the Graduate Life Science Education (GLSE) website: <http://www.deptmedicine.utoronto.ca/queen-elizabeth-ii-graduate-scholarships-science-technology-qeii-gsst>

FEATURED CAMPUS RESOURCE

Graduate Centre for Academic Communication (formerly English Language and Writing Support)

GCAC provides graduate students with advanced training in academic writing and speaking. GCAC offers five types of support designed to target the needs of native and non-native speakers of English: non-credit courses, single-session workshops, individual writing consultations, writing intensives, and resources for academic writing and speaking.

GCAC programs are free. While the workshops function on a drop-in basis, writing centre consultations require an appointment, and courses and writing intensives require registration. Check out the Winter 2018 workshop schedule at: <http://www.sgs.utoronto.ca/currentstudents/Pages/Current-Terms-Courses.aspx>

Department of Immunology

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IMMSA

IMMSA hosted Lunch & Learn with Professor Michele Anderson on Tuesday, February 27th in MSB room 7231 from 12-1pm.

Thank you to all who participated!

Sincerely,

Lucy Shao & Sonya Kim

Immunology Students Association (IMMSA) Co-Presidents 2017-18

IGSA

Dear Immunologists,

What city do the neighbourhoods Soho, Camden, and Knightsbridge belong to?

Which NHL player has the record for the most points scored in a single game?

This February, we demonstrated to the rest of the Faculty of Medicine that we're not one-trick ponies in our field. Congratulations to our Immunology trivia whizzes for snagging the top two finishes at the Annual Interdepartmental Trivia Night! IGSA would like to thank our social rep Tao Chan and trivia master Daniel Siu for organizing an enjoyable night for all. February was not only a month of competition (Go Team Canada!), but one to express your love and appreciation to your significant others and peers. This year, our IGSA team delivered pun-tastic Valentine cards and Candygrams from Sunnybrook to MSB, with all proceeds going to Heart & Stroke Foundation. Finally, we ended the month sweating away the winter cold with some intense rock-climbing and bouldering at BaseCamp Climbing! Thanks to Lisa and Oksana for organizing these respective initiatives.

With spring just around the corner, look forward to seeing some delicious baked goods prepared for you during Monday Student Seminars. It's pay what you can with the money going towards fundraising our 5/8K Spring Run Off and donation to Princess Margaret Hospital. IGSA initiatives coming this March include the Charity Paint Night, our first Labs on Tap of the year, and Bowling Night. Finally, I'm sure everyone is excited for one of the best nights of the year - the IGSA St. Patty's Pub! This year, you can mark Friday Mar. 16 on your calendars and the pub of choice will be the new location of the Green Room.

As always, if you have any new ideas or suggestions, please don't hesitate to contact us.

Sincerely,

Yoojin & Albert

IGSA Co-Presidents 2017-2018



PUBLICATIONS FROM THE DEPARTMENT OF IMMUNOLOGY (January 2018)

1. Amini-Nik, S., Y. Yousuf, and M. G. Jeschke. 2018. Scar management in burn injuries using drug delivery and molecular signaling: Current treatments and future directions. *Advanced Drug Delivery Reviews* 123: 135-154.
2. Guo, T. X., M. Y. Koo, Y. Kagoya, M. Anczurowski, C. H. Wang, K. Saso, M. O. Butler, and N. Hirano. 2018. A Subset of Human Autoreactive CD1c-Restricted T Cells Preferentially Expresses TRBV4-1(+) TCRs. *Journal of Immunology* 200: 500-511.
3. Kaufmann, E., J. Sanz, J. L. Dunn, N. Khan, L. E. Mendonca, A. Pacis, F. Tzelepis, E. Pernet, A. Dumaine, J. C. Grenier, F. Mailhot-Leonard, E. Ahmed, J. Belle, R. Besla, B. Mazer, I. L. King, A. Nijnik, C. S. Robbins, L. B. Barreiro, and M. Divangahi. 2018. BCG Educates Hematopoietic Stem Cells to Generate Protective Innate Immunity against Tuberculosis. *Cell* 172: 176-+.
4. Lee, J., M. D. Minden, W. H. C. Chen, E. Streck, B. Chen, H. Kang, A. Arruda, D. Ly, S. D. Der, S. Kang, P. Achita, C. D'Souza, Y. Y. Li, R. W. Childs, J. E. Dick, and L. Zhang. 2018. Allogeneic Human Double Negative T Cells as a Novel Immunotherapy for Acute Myeloid Leukemia and Its Underlying Mechanisms. *Clinical Cancer Research* 24: 370-382.
5. Linde, N., M. Casanova-Acebes, M. S. Sosa, A. Mortha, A. Rahman, E. Farias, K. Harper, E. Tardio, I. R. Torres, J. Jones, J. Condeelis, M. Merad, and J. A. Aguirre-Ghiso. 2018. Macrophages orchestrate breast cancer early dissemination and metastasis. *Nature Communications* 9.
6. Scally, S. W., R. Murugan, A. Bosch, G. Triller, G. Costa, B. Mordmuller, P. G. Kremsner, B. K. L. Sim, S. L. Hoffman, E. A. Levashina, H. Wardemann, and J. P. Julien. 2018. Rare PfCSP C-terminal antibodies induced by live sporozoite vaccination are ineffective against malaria infection. *Journal of Experimental Medicine* 215: 63-75.
7. Sivo, A., A. Schuetz, D. Sheward, V. Joag, S. Yegorov, L. J. Liebenberg, N. Yende-Zuma, A. Stalker, R. S. Mwatelah, P. Selhorst, N. Garrett, N. Samsunder, A. Balgobin, F. Nawaz, C. Cicala, J. Arthos, A. S. Fauci, A. O. Anzala, J. Kimani, B. S. Bagaya, N. Kiwanuka, C. Williamson, R. Kaul, J. A. S. Passmore, N. Phanuphak, J. Ananworanich, A. Ansari, Q. A. Karim, S. S. A. Karim, L. R. McKinnon, and C. R. S. Grp. 2018. Integrin alpha (4)beta(7) expression on peripheral blood CD4(+) T cells predicts HIV acquisition and disease progression outcomes. *Science Translational Medicine* 10.
8. Stanojcic, M., R. Vinaik, and M. G. Jeschke. Status and Challenges of Predicting and Diagnosing Sepsis in Burn Patients. *Surgical Infections*.
9. Sun, L., Y. Shi, G. Wang, X. Wang, S. Zeng, S. E. Dunn, G. D. Fairn, Y. J. Li, and D. E. Spaner. 2018. PPAR-delta modulates membrane cholesterol and cytokine signaling in malignant B cells. *Leukemia* 32: 184-193.
10. Varo, R., V. M. Crowley, A. Siteo, L. Madrid, L. Serghides, K. C. Kain, and Q. Bassat. 2018. Adjunctive therapy for severe malaria: a review and critical appraisal. *Malaria Journal* 17.
11. Wang, C., M. I. Edilova, L. E. Wagar, S. Mujib, M. Singer, N. F. Bernard, T. Crougus, M. M. Lederman, I. Sereti, M. A. Fischl, E. Kremmer, M. Ostrowski, J. P. Routy, and T. H. Watts. 2018. Effect of IL-7 Therapy on Phospho-Ribosomal Protein S6 and TRAF1 Expression in HIV-Specific CD8 T Cells in Patients Receiving Antiretroviral Therapy. *Journal of Immunology* 200: 558-564.
12. Wong, R. W., C. A. Lingwood, M. A. Ostrowski, T. Cabral, and A. Cochrane. 2018. Cardiac glycoside/aglycones inhibit HIV-1 gene expression by a mechanism requiring MEK1/2-ERK1/2 signaling. *Scientific Reports* 8.

We'd like to hear from you!
Comments or questions – please contact:
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