

Department of Immunology

Newsletter

VOL VI – ISSUE 7

March 2018

Message from the Acting Chair,

Dr. Dana Philpott



Hello Immunology folks!

Thanks to those of you who could make it for participating in the Faculty Meeting on Monday, the 19th of March.

It was good to hear about the implementation of Quercus (replacing Blackboard), what's to offer at the Germ-Free facility (from Dr. Kate Banks) and catching up with what's been happening in the undergrad and grad space. Thanks to everyone involved for his/her presentation.

It's my last days as Acting Chair – JC will be back in that chair April 2. I'd like to thank the admin. staff for their support during my tenure - Bethany, Vivian, Ian, Mariam and especially Sherry and Korosh.

Thanks all!

Dana

UPCOMING EASTON SEMINARS

April 2018

Room 2172 MSB at 11:10 a.m.

Monday, April 9, 2018

Dr. Marco Gattorno

“IL-1: What We Learned From Patients”

Host: Dr. Dana Philpott

Monday, April 16, 2018

Dr. Scott Kitchen

“Antiviral CARs in Stem Cells: Can we Engineer HIV Immunity?”

Host: Dr. David Brooks

Monday, April 23, 2018

Dr. David Artis

“Regulation of Barrier Immunity”

Host: Dr. Ken Croitoru

Monday, April 30, 2018

Dr. Rafick Sekaly

“The Good and Bad of Inflammation in the Immune Response to Vaccine and Immune-based Therapies”

Host: Dr. Mario Ostrowski

UPCOMING STUDENT SEMINARS

April 2018

Room 2173 MSB 10:00 to 11:00 am

Monday, April 2, 2018

Pailin Chiaranunt (Supervisor: A. Mortha)
“High-resolution analysis of spatial and temporal host-microbiome interactions”

Ronald Galiwango (Supervisor: R. Kaul)
“Exploring the effect of antimicrobial agents on foreskin immunology/HIV susceptibility”

Monday, April 9, 2018

Nathaniel Winsor (Supervisor: S. Girardin)
“Characterizing the role of NLRP6 in inflammation, parasitic infection and colon cancer”

Irene Lau (Supervisor: T. Mallevaey)
“Utilizing Self-Assembling CD1d Nanoparticles For Studying Natural Killer T Cells”

Monday, April 16, 2018

Melissa Kleinau (Supervisor: R. Yeung)
“The Role of Blk in Kawasaki Disease and Macrophage Activation Syndrome”

Jennifer Hoang (Supervisor: T. Eiwegger)
“Investigating Allergy Development in Early Childhood by Epitope Mapping”

Monday, April 23, 2018

Saad Khan (Supervisor: D. Winer)
“The Role of B Cells in Non-alcoholic Fatty Liver Disease”

Yi Tao Chan (Supervisor: D. Winer)
“Insulin Receptor Signaling in B Cell Function and Metabolism”

Monday, April 30, 2018

Andrew Mazzanti (Supervisor: N. Iscove)
“Hoxb4-mediated immortalization of Committed Hematopoietic Progenitors”

Melanie Girard (Supervisors: T. Watts and M. Anderson)
“Regulation of tumor necrosis factor family ligands by type I interferon”

DEADLINES/REMINDERS

Graduate Admissions

The first round of admissions is complete, and responses to offers are rolling in from our new students. 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.

RECLASS/QUALIFYING EXAMS

2018 reclass/qualifying exams will take place during the last two weeks of April. Second year students who are going forward with a reclass/qualifying exam should, at this point, have a draft of your proposal ready to hand off to your committee. Proposal approval forms should be submitted to graduate.immunology@utoronto.ca by your supervisor and each of your supervisory committee members no later than March 29th, 2018. Scheduling of exams and assigning of examiners is underway – your exam date, time, and exam committee composition will be communicated to you in the coming weeks.

FEATURED CAMPUS RESOURCE

The [Safety Abroad Office](#) works with students, staff and faculty to minimize risk by: providing Safety Abroad Workshops; monitoring international security situations; assisting students with emergencies abroad; offering a 24-hour emergency line. Students who will be travelling abroad for research purposes, to attend conferences, etc., should register with the Safety Abroad Database so that U of T can provide you with assistance and support in the event of an emergency while you are abroad.

Department of Immunology

Newsletter

IMMSA

Dear Immunologists,

We would like to announce that OQUIC is open for submissions until April 6th for undergraduate students. More details can be found here: <http://immsauoft.com/?p=1720>.

Sincerely,

Lucy Shao & Sonya Kim

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

IGSA

Dear Immunologists,

March has been an eventful month for us! First off, thanks to Anthony, we were able to find our inner Bob Ross at our Charity Paint Night. All non-perishable food items that were donated for the event have been delivered to Covenant House, which provides 24/7 crisis care to homeless youth. Changing gears a bit, immunologists then tapped into their fun and wild side by decking up in green and celebrating St. Patrick's Day at the Green Room, and a shoutout goes to Lisa for hosting this event. Finally, Immunology on Tap - a collaborative project between SciChat and IGSA - took place at May Cafe once again. A huge thank-you to Lis and Anthony for putting the event together and letting our invited speakers (Dr. Angela Zhou, Helen Luck and Yoojin Choi) enlighten us on how science funding works in Canada, where research in diabetes is headed and what it entails to run clinical studies. Make sure to come out to our Bowling Night hosted by Parshin to finish off the month with a bang!

Just a friendly reminder that fellow immunologists will continue to bring in delicious baked goods to raise funds for the 5K/8K Spring Run-Off. Events to look forward to in April include Interdepartmental Dodgeball Tournament (thanks to Tao for his collaborative efforts), a Karaoke night (yes, we will rent out a large private room so non-immunologists don't get intimidated by how good we are) and a Sports Pub Night to celebrate yet another great season.

In celebration of the International Day of Immunology (April 29th), we will be visiting several high school classrooms to discuss some exciting immunology topics and bring hands-on activities. In order to reach out to as many aspiring immunologists as possible, we need YOUR help! Please make sure to sign up and also come out to the Immunology Day Pub Night afterward.

As always, IGSA is always open to your new ideas and suggestions, so please don't hesitate to reach out to us.

Cheers,

Yoojin & Albert

IGSA Co-Presidents 2017-2018



PUBLICATIONS FROM THE DEPARTMENT OF IMMUNOLOGY (February 2018)

1. Balogun, K. A., M. S. G. Lenis, E. Papp, M. Loutty, M. H. Yudin, J. MacGillivray, S. L. Walmsley, M. Silverman, and L. Serghides. 2018. Elevated Levels of Estradiol in Human Immunodeficiency Virus-Infected Pregnant Women on Protease Inhibitor-Based Regimens. *Clinical Infectious Diseases* 66: 420-427.
2. Chen, P., M. Stanojic, and M. G. Jeschke. 2018. Septic predictor index: A novel platform to identify thermally injured patients susceptible to sepsis. *Surgery* 163: 409-414.
3. Ereno-Orbea, J., T. Sicard, H. Cui, J. Carson, P. Hermans, and J. P. Julien. 2018. Structural Basis of Enhanced Crystallizability Induced by a Molecular Chaperone for Antibody Antigen-Binding Fragments. *Journal of Molecular Biology* 430: 322-336.
4. Fahl, S. P., F. Coffey, L. Kain, P. Zarin, R. L. Dunbrack, L. Teyton, J. C. Zuniga-Pflucker, D. J. Kappes, and D. L. Wiest. 2018. Role of a selecting ligand in shaping the murine gamma delta-TCR repertoire. *Proceedings of the National Academy of Sciences of the United States of America* 115: 1889-1894.
5. Garzia, L., N. Kijima, A. S. Morrissy, P. De Antonellis, A. Guerreiro-Stucklin, B. L. Holgado, X. C. Wu, X. Wang, M. Parsons, K. Zayne, A. Manno, C. Kuzan-Fischer, C. Nor, L. K. Donovan, J. Liu, L. Qin, A. Garancher, K. W. Liu, S. Mansouri, B. Luu, Y. Y. Thompson, V. Ramaswamy, J. Peacock, H. Farooq, P. Skowron, D. J. H. Shih, A. Li, S. Ensan, C. S. Robbins, M. Cybulsky, S. Mitra, Y. Ma, R. Moore, A. Mungall, Y. J. Cho, W. A. Weiss, J. A. Chan, C. E. Hawkins, M. Massimino, N. Jabado, M. Zapotocky, D. Sumerauer, E. Bouffet, P. Dirks, U. Tabori, P. H. B. Sorensen, P. K. Brastianos, K. Aldape, S. J. M. Jones, M. A. Marra, J. R. Woodgett, R. J. Wechsler-Reya, D. W. Fults, and M. D. Taylor. 2018. A Hematogenous Route for Medulloblastoma Leptomeningeal Metastases. *Cell* 172: 1050-+.
6. McDonald, C. R., A. L. Conroy, J. L. Gamble, E. Papp, M. Hawkes, P. Olwoch, P. Natureeba, M. Kamya, M. Silverman, D. Cohan, C. A. Koss, G. Dorsey, K. C. Kain, and L. Serghides. 2018. Estradiol Levels Are Altered in Human Immunodeficiency Virus-Infected Pregnant Women Randomized to Efavirenz-Versus Lopinavir/Ritonavir-Based Antiretroviral Therapy. *Clinical Infectious Diseases* 66: 428-436.
7. Mortha, A., and K. Burrows. 2018. Cytokine Networks between innate Lymphoid Cells and Myeloid Cells. *Frontiers in Immunology* 9.
8. Perciani, C. T., W. Jaoko, B. Farah, M. A. Ostrowski, O. Anzala, K. S. MacDonald, and K.-I. Team. 2018. alpha E beta 7, alpha 4 beta 7 and alpha 4 beta 1 integrin contributions to T cell distribution in blood, cervix and rectal tissues: Potential implications for HIV transmission. *Plos One* 13.
9. Stanojic, M., R. Vinaik, and M. G. Jeschke. 2018. Status and Challenges of Predicting and Diagnosing Sepsis in Burn Patients. *Surgical Infections* 19: 168-175.
10. Youn, J. Y., W. H. Dunham, S. J. Hong, J. D. R. Knight, M. Bashkurov, G. I. Chen, H. Bagci, B. Rathod, G. MacLeod, S. W. M. Eng, S. Angers, Q. Morris, M. Fabian, J. F. Cote, and A. C. Gingras. 2018. High-Density Proximity Mapping Reveals the Subcellular Organization of mRNA-Associated Granules and Bodies. *Molecular Cell* 69: 517-+.

We'd like to hear from you!
Comments or questions – please contact:
immunology.communications@utoronto.ca