

Department of Immunology

Newsletter

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VOL III – ISSUE 6

February 2015

Message from the Chair, Dr. Juan Carlos Zúñiga-Pflücker

I am delighted to announce that our new **M.Sc. in Applied Immunology** has been fully approved and we will be able to start accepting graduate students into this program for the upcoming 2015-2016 academic year. I would like to thank and congratulate Prof. Jennifer Gommerman, who led this new initiative for the Department of Immunology. You will soon be learning more about this new course-based M.Sc. from Jen, and Dr. Korosh Kianizad, who as the Department's Research Program Officer will be responsible for helping to administer this program.

As we look forward, March will have a great start with the release of **Volume III** of the Department's *IMMpress Magazine*. This will be the first issue under the direction of the new Chief Editors, Kieran Manion and Catherine Schrankel, who I am sure will continue to delight us with another phenomenal issue.

I want to highlight three other items: 1) we will be having our next Departmental Faculty Meeting on March 23rd, 2) to all our 2nd year graduate students please note the upcoming deadlines regarding setting up your reclassification/qualifying exams, and 3) to all IMM450 undergrads, please note the announcement for abstract submissions for this year's OQUIC, details below.

WELCOME

FACULTY

- Dr. David Brooks, Associate Professor, University Health Network.

UPCOMING SEMINARS

EASTON SEMINARS – March 2015
Room 2172 MSB at 11:10 a.m.

March 2

- Brian Kelsall, MD
"Phenotype and function of mononuclear phagocytes in the intestine"
(Host: Dr. Philippe Poussier)

March 9

- Barry Sleckman, MD, PhD
"At the Intersection of Immune Responses and DNA Damage Responses."
(Host: Dr. Juan Carlos Zúñiga-Pflücker)

March 16

- Mid-winter break – No seminar

March 23

- Dol Faculty Retreat – No seminar

March 30

- Linda C. Burkly, PhD
"The TWEAK/Fn14 axis: an injury-inducible player in chronic inflammatory disease and tissue fibrosis."
(Host: Dr. Tania Watts)

GRADUATE SEMINARS – March 2015
Room 2173 MSB at 10:00 a.m.

March 2

- Helen Luck (Supervisor: D. Winer)
- Jennifer Yam (Supervisor: J. Gommerman)

March 9

- Sintia Xhiku (Supervisor: J.C. Zúñiga-Pflücker)
- Ronald Galiwango (Supervisor: R. Kaul)

March 16

- Kuan Lun Chu (Rotation)
- Maria Edilova (Rotation)

March 23

- Paulina Drohomysky (Supervisor: S. Dunn)
- Martin Prince Alphonse (Supervisor: R. Yeung)

March 30

- Lindsay Cho (Supervisor: R. Yeung)
- Kogulan Yoganathan
(Supervisors: J.C. Zúñiga-Pflücker/M. Anderson)

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SPECIAL SEMINARS

Marcus Butler, MD

Cancer Clinical Research Unit (CCRU),
Princess Margaret Cancer Centre
U of T

(Host: Dr. Juan Carlos Zúñiga-Pflücker)

Title: TBA

Thursday, March 12, 2015
11:00 a.m.
Room 2173, MSB

UPCOMING EVENTS

Departmental Faculty Meeting & mini-retreat

Monday, March 23, 2015
11:10 a.m.
Seeley Hall
Trinity College

Toronto Human Immunology Network

presents:

Panel Discussions in Human Immunology

Dr. Linda C. Burkly

Distinguished Investigator
Biogen Idec, Inc.
Cambridge, MA

Topic: "Science and Drugs for Human Disease:
Discovery and Translation."

Monday, March 30, 2015
5:00-6:00 p.m.
Room 7231, MSB
All welcome

RECLASSIFICATION/QUALIFYING TRANSFER EXAMS

For those of you planning reclassification/qualifying transfer exams, please be advised your exam must take place no later than **June 2015**. Failure to complete the reclass/qualifying exam within 24 months of your initial registration means that you will need to complete an MSc and then re-apply to the PhD program. We aim to do all the exams in May/June as they are very difficult to schedule in July/August and we need to leave time for re-examinations if they are required. For milestone dates or more information contact graduate.immunology@utoronto.ca.

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UPCOMING AWARD DEADLINES

OGS (Visa) – March 13th, 2015. For more information on this competition, please visit the SGS website: <http://www.sgs.utoronto.ca/currentstudents/Pages/International-Student-Awards.aspx>.

Faculty of Medicine QEII-GSST – March 31st, 2015. For more information, please visit the Graduate and Life Science Education (GLSE) website: <http://www.glse.utoronto.ca/fom-qeii-gsst-competition>.

OGS (Domestic) – April 1st, 2015. 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 Awards – April 1st, 2015. Applicants must apply for OGS and submit a 2015-16 Faculty of Medicine QEII-GSST Cover Page to the Department (<http://www.glse.utoronto.ca/sites/default/files/2015-16%20FoM%20QEII-GSST%20Cover%20Page.pdf>).

IGSA

Hello Immunologists

Hope everyone is staying warm in this frigid weather~ We have several events coming up in so mark your calendars!

Interdepartmental Trivia Night

Date: TBA

Location: TBA

Time: TBA

More details to come!!

St. Patty's Day

Date: March 13, 2015

Location: Mullins Irish Pub (Bathurst and College)

Time: TBA

Prepare yourselves for the most anticipated event of the year!

IGSA

IMMSA

This month *IMMSA* kicked off the term with returning clothing orders and with a joint pub night with IGSA. Thank you for everyone who came and picked up their clothing orders promptly. The joint pub night with IGSA was also a success with the forging of new friendships within the department through beer, nachos and boardgames. Some of the photos from our pub night can be seen at <http://instagram.com/immsagram>. If you have any photos you would like to send in for immsagram please email them to immsa.immunology@gmail.com. Some of our upcoming events include a graduate school seminar on **March 6th** at 2 PM in room 7231 with Jen Gommerman, and a merit based scholarship for students in immunology. We are also now accepting abstracts for OQUIC 2015, please email us at immsa.immunology@gmail.com for more information on registration. OQUIC is a two day, all expenses paid (including transportation, food, accommodation), conference that features undergraduate researchers in the field of immunology.

Karen Jia & Johnathan Lau

Immunology Students Association (IMMSA) Co-Presidents

<http://immsauoft.com> | [@IMMSA_UofT](https://twitter.com/IMMSA_UofT) | <http://facebook.com/IMMSA.UofT>

PUBLICATIONS FROM THE DEPARTMENT OF IMMUNOLOGY (January 2014) ⁽¹⁻¹²⁾

1. Afzal, S., Z. Hao, M. Itsumi, Y. Abouelkheer, D. Brenner, Y. Gao, A. Wakeham, C. Hong, W. Y. Li, J. Sylvester, S. O. Gilani, A. Brustle, J. Haight, A. J. You-Ten, G. H. Y. Lin, S. Inoue, and T. W. Mak. 2015. Autophagy-independent functions of UVRAG are essential for peripheral naive T-cell homeostasis. *Proceedings of the National Academy of Sciences of the United States of America* 112: 1119-1124.
2. Banfield, J., S. Rehou, M. Gomez, D. A. Redelmeier, and M. G. Jeschke. 2015. Healthcare Costs of Burn Patients From Homes Without Fire Sprinklers. *Journal of Burn Care & Research* 36: 213-217.
3. Bogdanovic, E., N. Kraus, D. Patsouris, L. Diao, V. Wang, A. Abdullahi, and M. G. Jeschke. 2015. Endoplasmic reticulum stress in adipose tissue augments lipolysis. *Journal of Cellular and Molecular Medicine* 19: 82-91.
4. Clouthier, D. L., A. C. Zhou, M. E. Wortzman, O. Luft, G. A. Levy, and T. H. Watts. 2015. GITR Intrinsically Sustains Early Type 1 and Late Follicular Helper CD4 T Cell Accumulation to Control a Chronic Viral Infection. *PLoS Pathogens* 11: e1004517-e1004517.

5. Denbeigh, J. M., B. A. Nixon, J. J. Y. Lee, M. Jerkic, P. A. Marsden, M. Letarte, M. C. Puri, and F. S. Foster. 2015. Contrast-enhanced molecular ultrasound differentiates endoglin genotypes in mouse embryos. *Angiogenesis* 18: 69-81.
6. Huang, Y.-H., C. Zhu, Y. Kondo, A. C. Anderson, A. Gandhi, A. Russell, S. K. Dougan, B.-S. Petersen, E. Melum, T. Pertel, K. L. Clayton, M. Raab, Q. Chen, N. Beauchemin, P. J. Yazaki, M. Pyzik, M. A. Ostrowski, J. N. Glickman, C. E. Rudd, H. L. Ploegh, A. Franke, G. A. Petsko, V. K. Kuchroo, and R. S. Blumberg. 2015. CEACAM1 regulates TIM-3-mediated tolerance and exhaustion. *Nature* 517: 386-U566.
7. Lee, N., Khayat, Z., Reithmeier, R. Transforming graduate education: lessons learned from a grad course on professional development. *University Affairs*, p. 56. January 2015.
8. Lee, S.-Y., F. Coffey, S. P. Fahl, S. Peri, M. Rhodes, K. Q. Cai, M. Carleton, S. M. Hedrick, H. J. Fehling, J. C. Zuniga-Pfluecker, D. J. Kappes, and D. L. Wiest. 2014. Noncanonical Mode of ERK Action Controls Alternative alpha beta and gamma delta T Cell Lineage Fates. *Immunity* 41: 934-946.
9. Revelo, X. S., S. Tsai, H. Lei, H. Luck, M. Ghazarian, H. Tsui, S. Y. Shi, S. Schroer, C. T. Luk, G. H. Y. Lin, T. W. Mak, M. Woo, S. Winer, and D. A. Winer. 2015. Perforin Is a Novel Immune Regulator of Obesity-Related Insulin Resistance. *Diabetes* 64: 90-103.
10. Sarmiento, J., R. H. Wallis, T. Ning, L. Marandi, G. Chao, A. Veillette, A. Lernmark, A. D. Paterson, and P. Poussier. 2015. A Functional Polymorphism of Ptpn22 Is Associated with Type 1 Diabetes in the BioBreeding Rat. *Journal of Immunology* 194: 615-629.
11. Urbanellis, P., W. Shyu, R. Khattar, J. Wang, A. Zakharova, W. He, H. Sadozai, A. Z. Amir, I. Shalev, M. J. Phillips, O. Adeyi, H. Ross, D. Grant, G. A. Levy, and A. Chruscinski. 2015. The regulatory T cell effector molecule fibrinogen-like protein 2 is necessary for the development of rapamycin-induced tolerance to fully MHC-mismatched murine cardiac allografts. *Immunology* 144: 91-106.
12. Yegorov, S., J. Bogerd, and S. V. Good. 2014. The relaxin family peptide receptors and their ligands: New developments and paradigms in the evolution from jawless fish to mammals. *General and Comparative Endocrinology* 209: 93-105.

We'd like to hear from you!
Comments or Questions – Please contact:
Immunology.newsletter@utoronto.ca