

Department of Immunology

Newsletter

VOL VII – ISSUE 3

November 2017

Message from the Acting Chair,



Dr. Dana Philpott

December is right around the corner and with it comes our most excellent “Holiday Retreat” organized by IGSA. This year, Albert and Yoojin and the rest of the organizing committee have put together a marvelous program and dinner that will take place at the Chestnut Conference Centre. Get your tickets soon and hope to see you there.

As many of you might know, together with Dr. Kate Banks and Karen Parisien at the Dept. of Comparative Medicine, as well as Dr. Susan Robertson in my group, we have set up a germ-free mouse housing facility. If you are interested, please contact me or Kate for more information or visit:

<http://www.dcm.utoronto.ca/germfree-core>

Thanks!

Dana

UPCOMING SEMINARS

EASTON SEMINARS

December 2017

Room 2172 MSB at 11:10 a.m.

Monday, December 4th, 2017

Dr. Linda Cauley

“Defining how environmental cues guide the fate decisions of activated CD8 T cells”

Host: Dr. Tania Watts

Monday, December 11th, 2017

Dr. Nicola Jones

“Harnessing an innate host epithelial defence as a novel anti-bacterial therapy”

Host: Dr. Dana Philpott

Monday, December 18th, 2017

Dr. Hanna Mikkola

“From hemogenic endothelium to self-renewing hematopoietic stem cells”

Host: Dr. Zuniga-Pflucker

Department of Immunology

Newsletter

UPCOMING STUDENT SEMINARS

December 2017

Room 2173 MSB at 10:00 a.m.

Monday December 4th, 2017

(Supervisor: Clint Robbins)

“Role of Macrophages in Skeletal Muscle Atrophy”

Ashton Trotman-Grant

(Supervisor: JC Zuniga-Pflucker)

“Development of a Stromal Cell-Free and Scalable System for the Generation of Stem Cell-Derived Progenitor T Cells”

Monday December 11th, 2017

Mohammad Saleh

(Supervisor: M. Ostrowski)

“Screening for HERV-reactive CD8+ T Cells”

Sharon Ling

(Supervisor: R. Yeung)

“The Role of Mitochondrial DNA in Kawasaki Disease”

STUDENT Ph.D. RESEARCH SEMINAR

Monday December 4th, 2017

Room MSB 4279

Time: 2:00 p.m.—3:00 p.m.

Angela Zhou (Supervisor: Tania Watts)

UPCOMING SPECIAL SEMINAR

Dr. Silvie Lesage

“Trp53 in NK cells, Beyond Genomic Stability?”

Thursday, December 14th, 2017

Room 2173

Time: 2:00—3:00 p.m.

DEADLINES/REMINDERS

CIHR/NSERC CGS-M – December 1

For more information:

<http://www.sgs.utoronto.ca/currentstudents/Pages/Gov-Funded-Awards.aspx>

FEATURED CAMPUS RESOURCE

Supervision tip sheet – Whether you have a supervisor already or you are about to finish rotating and decide on a supervisor; the supervision tip sheet is for you! View supervision guidelines, tip sheets, and more for students and faculty on SGS’s website:

<http://www.sgs.utoronto.ca/innovations/bestpractices/Pages/Supervision.aspx>

Department of Immunology

Newsletter

IMMSA

We don't have any events planned for the rest of the semester but we are hosting a T-shirt logo designing competition next week!

This competition is for students (not limited to undergrads) interested in designing symbolic logos for the NK receptor and VLR. The selected designs will be printed on T-shirts and hoodies during apparel sales and the winners will receive \$100 gift cards. This competition is supported by Dr. Ehrhardt and Dr. Carlyle.

Thank you,

Lucy Shao, Sonia Kim Co-Presidents 2017-2018

IGSA

Dear Immunologists,

We would like to begin by thanking Parshin and Tao for hosting our **Wine & Cheese!** Many of us were able to enjoy a variety of whites & reds and work on our ping pong ball throwing and cup flipping skills! We are excited to announce that the winning wines were Folonari Pinot Grigio and Yellow Tail Cab Sauv, so you will be able to enjoy them at the Holiday Retreat!

To remind you, the **Holiday Retreat** will be taking place on Friday, December 15th at the Chestnut. We have several exciting activities planned for the evening including a charity photo booth by our Christmas tree and Santa Ratcliffe, our annual centerpiece competition, and several musical performances by your fellow immunologists. As is tradition, we will be raising money for Nellie's Shelter during this festive night. You can contribute towards this cause by purchasing raffle tickets or bringing toys and/or participating in our silent auction on the day of the Holiday Retreat.

Don't forget to send your beautiful or embarrassing photos from the past year for our slideshow and remember to purchase your tickets before December 8th. Finally, please do let us know if you would like to get involved with the event in any capacity.

Stay warm & cheers!

Yoojin & Albert

IGSA Co-Presidents 2017-2018



PUBLICATIONS FROM THE DEPARTMENT OF IMMUNOLOGY (October 2017)

1. Arslan, A. D., A. Sassano, D. Saleiro, P. Lisowski, E. M. Kosciuczuk, M. Fischietti, F. Eckerdt, E. N. Fish, and L. C. Plataniias. 2017. Human SLFN5 is a transcriptional co-repressor of STAT1-mediated interferon responses and promotes the malignant phenotype in glioblastoma. *Oncogene* 36: 6006-6019.
2. Buckley, K. M., and J. P. Rast. 2017. An Organismal Model for Gene Regulatory networks in the Gut-Associated immune Response. *Frontiers in Immunology* 8.
3. Ereno-Orbea, J., T. Sicard, H. Cui, M. T. Mazhab-Jafari, S. Benlekbir, A. Guarne, J. L. Rubinstein, and J. P. Julien. 2017. Molecular basis of human CD22 function and therapeutic targeting. *Nature Communications* 8.
4. Galligan, C. L., and E. N. Fish. 2017. Interleukin-34 Promotes Fibrocyte Proliferation. *Journal of Interferon and Cytokine Research* 37: 440-448.
5. Hamilton, J. A., Q. Wu, P. A. Yang, B. Luo, S. R. Liu, H. X. Hong, J. Li, M. R. Walter, E. N. Fish, H. C. Hsu, and J. D. Mountz. 2017. Cutting Edge: Endogenous IFN-beta Regulates Survival and Development of Transitional B Cells. *Journal of Immunology* 199: 2618-2623.
6. Peters, L. A., J. Perrigoue, A. Mortha, A. Iuga, W. M. Song, E. M. Neiman, S. R. Llewellyn, A. Di Narzo, B. A. Kidd, S. E. Telesco, Y. Z. Zhao, A. Stojmirovic, J. Sendekci, K. Shameer, R. Miotto, B. Losic, H. Shah, E. Lee, M. H. Wang, J. J. Faith, A. Kasarskis, C. Brodmerkel, M. Curran, A. Das, J. R. Friedman, Y. Fukui, M. B. Humphrey, B. M. Iritani, N. Sibinga, T. K. Tarrant, C. Argmann, K. Hao, P. Roussos, J. Zhu, B. Zhang, R. Dobrin, L. F. Mayer, and E. E. Schadt. 2017. A functional genomics predictive network model identifies regulators of inflammatory bowel disease. *Nature Genetics* 49: 1437-+.
7. Sandi, M. J., C. B. Marshall, M. Balan, E. Coyaud, M. Zhou, D. M. Monson, N. Ishiyama, A. A. Chandrakumar, J. La Rose, A. L. Couzens, A. C. Gingras, B. Raught, W. Xu, M. Ikura, D. K. Morrison, and R. Rottapel. 2017. MARK3-mediated phosphorylation of ARHGEF2 couples microtubules to the actin cytoskeleton to establish cell polarity. *Science Signaling* 10.
8. Seshadri, S., D. S. J. Allan, J. R. Carlyle, and L. A. Zenewicz. 2017. Bacillus anthracis lethal toxin negatively modulates ILC3 function through perturbation of IL-23-mediated MAPK signaling. *Plos Pathogens* 13.

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