

MESSAGE FROM THE CHAIR, DR. JC ZUNIGA-PFLUCKER

As we slowly begin to restart our research activities, I am encouraged that we will soon be able to fully return to our laboratories and continue our work. For those involved in COVID-19 related work, the efforts continue as before and hopefully great strides will be made to help with the current pandemic.

As you will have noticed, our June 2020 *Immunology Newsletter* has a new look, which I felt appropriate as we restart our work and with Spring upon us. I am very thankful to Korosh for the new design concept, and to Leah for helping put the *Newsletter* together.

I would like to welcome our new IMMSA co-presidents and thank last year's IMMSA executive for all the great events and organization. Please read more below.

In June, we have much to celebrate. Starting with our amazing undergraduate students, I am pleased to announce that this year's winner of the *The Immunology Undergraduate Prize*, which is given to a student with the best academic standing in both IMM340/1 and IMM350/1 third year immunology courses, is **Juliette Lee**, who had a near perfect set of marks for both courses.

I am also delighted to announce that the winner of the 8th annual *BD-Biosciences / Immunology Post-Doctoral Lecture Award* is Dr. **Sarah Dick** (Epelman lab), and as noted on the right margin, the BDB/IPDLA will take place on Monday June 15th. Congratulations to Sarah, we look forward to an exciting talk, just ahead of the upcoming *Immunology Summer Retreat* (June 17). Please, see the IGSA for more details.

Looking forward to "seeing" you at the upcoming BD-Biosciences / Immunology Postdoc Lecture, and then enjoying a virtual day by the shores of Lake Couchiching for our Summer Retreat.

UPCOMING EVENTS

EASTON SEMINARS

2020-21 Easton Seminar will commence in September 2020.

STUDENT SEMINARS -ONLINE!

June 3, 10:30-11:45

Discovery of new cell surface antigens on plasma cells using monoclonal VLRB antibodies K318 and J260 - Shilan Dong (Ehrhardt lab)

Characterizing the role of innate lymphoid cells in type-1 diabetes - Sarah Colpitts (Crome lab)

Establishing Precision-Cut Liver Slices as a Platform To Study Liver Disease - Damra Camat (MacParland lab)

June 10, 10:30-11:45

Design of a defined murine gut bacterial community for the study of inflammatory bowel disease - Giuliano Bayer (Philpott/Girardin labs)

The Impact of Macrophage Niche on T cell Clonality and Function in Human Hepatocellular Carcinoma - Jawairia Atif (MacParland lab)

- Rashi Gupta (Wither lab)

Measuring the antibody response to SARS-CoV-2 in acute and convalescent patient saliva - Baweleta Isho (Gommerman lab)

June 15, 9:45-10:45

- Ryder Whittaker Hawkins (Rottapel lab)

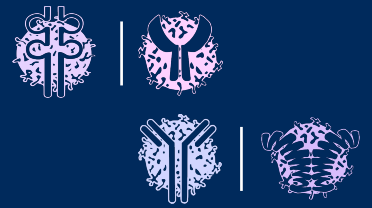
- Jessica Bruce (Philpott/Girardin labs)

BD Biosciences / Immunology Postdoc Lecture

June 15, 11:00-noon

Dr. Sarah Dick (Epelman Lab)





GRADUATE PROGRAM UPDATE

Congratulations!

Reclass/Qualifying Exams

Matthew Wong (Martin lab) - May 19, 2020
Helen Wang (Zúñiga-Pflücker lab) - May 20, 2020
Stephanie Wong (Sacher/Ohashi labs) - May 21, 2020
Derek Tsang (Philpott lab) - May 21, 2020
Alexander Luchak (Croitoru lab) - May 25, 2020
Tiffany Kong (Danska lab) - May 26, 2020
Carolina de Amat Herbozo (Mallevaey lab) - May 26, 2020
Philip Barbulescu (Martin lab) - May 27, 2020
Kyle Reid (Crome lab) - May 29, 2020

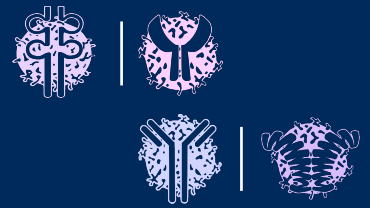
...and more to come in June!

Applied Immunology

We would like to welcome the following Applied Immunology MSc students for May 2020:

Dorota Borovsky (Crome Lab)
Matthew Cho (Coburn Lab)
Tijana Despot (Mallevaey Lab)
Kirubel Goliad (Wither Lab)
Sherry Wang (MacParland Lab)





IMMSA

Hello Immunologists,

We hope everyone is staying safe while still enjoying the recent summer weather!

We are Anita Tia and Phoebe Liu, your IMMSA co-presidents of the 2020-2021 academic year. As immunology majors and committee members of IMMSA for the past 2 years, we are very excited to take on this role and continue to help foster a supportive community within the immunology department (while staying 2 metres apart, of course).

We would first like to thank Foram Vyas and David Won, the previous co-presidents. They had worked hard all year to offer interesting and helpful events to all the immunology students, in addition to the new peer mentorship program. They did a great job in the last few months, especially with the online spring elections, despite all the sudden changes that occurred with the ongoing pandemic.

We look forward to hosting the many events that IMMSA has to offer, be it in person and on campus, or online from the safety of our homes! Whatever the mode of delivery, we will work towards providing a good experience. As the Ontario-Quebec Undergraduate Immunology Conference (OQUIC) was cancelled this year, we will strive to make OQUIC 2021 the best it can be.

For those of you who have purchased any IMMSA apparel this last semester, we will contact you as soon as we can about how and when we will distribute it. We may need to delay the distribution until the fall semester, but we will continue to monitor the current situation.

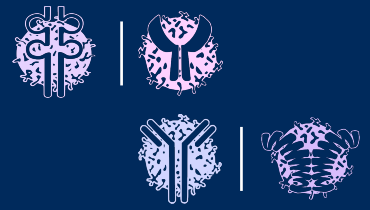
Motivation is low and time is hard to keep track of while social distancing, but we would like to remind everyone to be on the lookout for course enrolment dates and to consider using some of your homebound time to get ahead on any professional or graduate school applications. Putting those off for later will only be an added stressor during the school year, which provides more than enough stress on its own. However, be sure to make time for yourself and your well-being, especially as long-term isolation can have a negative impact on mental health.

We hope that you make the best of this summer and we will see everyone soon at our upcoming events!

All the best,

Anita Tia & Phoebe Liu

IMMSA Co-Presidents 2020-2021



IGSA

Dear Immunologists,

We hope you are all well and have had a chance to enjoy the nice weather with physical distancing!

We would like to extend all students undertaking their reclassification/qualification exams our best wishes. We hope our opt-in group study sessions and rehearsals have been helpful to everyone. A big thank you to all the upper-year students who took the time to read proposals and sit in on presentation rehearsals!

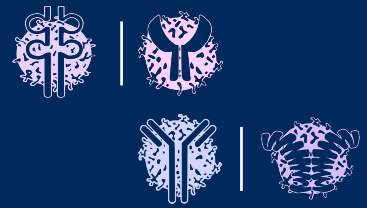
While we cannot have our annual retreat in person this year, IGSA will be bringing the retreat to you at home virtually! IGSA will be hosting a virtual Zoom department retreat from **2-5pm on Wednesday June 17th**. Our keynote this year is **Dr. Barbara Kee** from the University of Chicago, who is a previous alumnus of the Department of Immunology.

We would like to highlight the great work of postdocs and students within our community. This year, we are inviting postdocs to give a 15-minute presentation and senior students to give a 5-minute presentation. If you are interested, please email us at utgsu.immunology@gmail.com.

See you all on June 17th!

IGSA





PUBLICATIONS (April 2020)

Mamareli P, Kruse F, Lu CW, Guderian M, Floess S, Rox K, Allan DSJ, Carlyle JR, Bronstrup M, Muller R, Berod L, Sparwasser T, Lochner M. 2020. Targeting cellular fatty acid synthesis limits T helper and innate lymphoid cell function during intestinal inflammation and infection. *Mucosal Immunology*. (Online ahead of print)

Liu LY, Ma XZ, Ouyang B, Ings DP, Marwah S, Liu J, Chen AY, Gupta R, Manuel J, Chen XC, Gage BK, Cirlan I, Khuu N, Chung S, Camat D, Cheng M, Sekhon M, Zagorovsky K, Mohamed MAA, Thoeni C, Atif J, Echeverri J, Kollmann D, Fischer S, Bader GD, Chan WCW, Michalak TI, McGilvray ID, MacParland SA. 2020. Nanoparticle Uptake in a Spontaneous and Immunocompetent Woodchuck Liver Cancer Model. *Acs Nano*. **14(4)**:4698-4715.

Irrazabal T, Thakur BK, Kang MS, Malaise Y, Streutker C, Wong EOY, Copeland J, Gryfe R, Guttman DS, Navarre WW, Martin A. 2020. Limiting oxidative DNA damage reduces microbe-induced colitis-associated colorectal cancer. *Nature Communications*. **11(1)**:1802.

Gracey E, Hromadova D, Lim M, Qaiyum Z, Zeng M, Yao YC, Srinath A, Baglaenko Y, Yeremenko N, Westlin W, Masse C, Muller M, Strobl B, Miao WY, Inman RD. 2020. TYK2 inhibition reduces type 3 immunity and modifies disease progression in murine spondyloarthritis. *Journal Of Clinical Investigation*. **130(4)**:1863-1878.

Romero JM, Grunwald B, Jang GH, Bavi PP, Jhaveri A, Masoomian M, Fischer SE, Zhang A, Denroche RE, Lungu IM, De Luca A, Bartlett JMS, Xu J, Li ND, Dhaliwal S, Liang SB, Chadwick D, Vyas F, Bronsert P, Khokha R, McGaha TL, Notta F, Ohashi PS, Done SJ, OKane GM, Wilson JM, Knox JJ, Connor A, Wang YF, Zogopoulos G, Gallinger S. 2020. A Four-Chemokine Signature Is Associated with a T-cell-Inflamed Phenotype in Primary and Metastatic Pancreatic Cancer. *Clinical Cancer Research*. **26(8)**:1997-2010.

Eiwegger T, Anagnostou K, Arasi S, Begin P, Ben-Shoshan M, Beyer K, Blumchen K, Brough H, Caubet JC, Chan ES, Chen M, Chinthrajah S, Davis CM, Roches AD, Du Toit G, Elizur A, Galli SJ, Haland G, Hoffmann-Sommergruber K, Kim H, Leung DYM, Long A, Muraro A, Nurmatov UB, Pajno GB, Sampath V, Saxena J, Sindher S, Upton J, Worm M, Nadeau KC. 2020. Conflicting verdicts on peanut oral immunotherapy from the Institute for Clinical and Economic Review and US Food and Drug Administration Advisory Committee: Where do we go from here?. *Journal Of Allergy And Clinical Immunology*. **145(4)**:1153-1156.

Wagner MJ, Hsiung MS, Gish GD, Bagshaw RD, Doodnauth SA, Soliman MA, Jorgensen C, Tucholska M, Rottapel R. 2020. The Shb scaffold binds the Nck adaptor protein, p120 RasGAP, and Chimaerins and thereby facilitates heterotypic cell segregation by the receptor EphB2. *Journal Of Biological Chemistry*. **295(12)**:3932-3944.

Stranzl T, Ipsen H, Christensen LH, Eiwegger T, Johansen N, Lund K, Andersen PS. 2020. Limited impact of Der p 23 IgE on treatment outcomes in tablet allergy immunotherapy phase III study. *Allergy*. (Online ahead of print)

We'd like to hear from you!

Comments or Questions – Please contact:

Immunology.communications@utoronto.ca

