



Dear Microbiology and Immunology members,

Summer is around the corner. A time when we try to take time off and enjoy life in this city, in this province and abroad. This issue is our last newsletter of the 2012-13 academic year, but we are already planning for the fall issue... Through the newsletter, we have been reaching out to all our members with bits and pieces that happen in our department to ensure that communication remains open and everyone knows of what is going on in this department. It also helps us to build a sense of proud belonging to our department. Please, help us to make this better by providing feedback and content to Ms. Beatriz Kiss ([office.microimm@mcgill.ca](mailto:office.microimm@mcgill.ca)).

To all, my sincere best wishes for a pleasant, safe and rewarding summer. To those undergraduate students that just graduated and now tackle new endeavours, my best wishes of success. It was very rewarding to see at Convocation how well our students have done. To those undergrads returning in the fall, best wishes for a well deserved break. And to graduate students, post-docs, faculty and staff, my best wishes for a happy, safe and reinvigorating summer. Enjoy this time with family and friends.

Sincerely,

Joaquin (Quim) Madrenas

## RESEARCH

### Publication of the Month

R-Spondin 2 signalling mediates susceptibility to fatal infectious diarrhoea. Papapietro O, Teatero S, Thanabalasuriar A, Yuki KE, Diez E, Zhu L, Kang E, Dhillon S, Muise AM, Durocher Y, Marcinkiewicz MM, Malo D, **Gruenheid S**. *Nat Commun*. 2013;4:1898. doi: 10.1038/ncomms2816. PMID: 23695692

Role of uropathogenic *Escherichia coli* OmpT in the resistance against human cathelicidin LL-37. Brannon JR, Thomassin JL, Desloges I, Gruenheid S, Le Moual H. *FEMS Microbiol Lett*. 2013 May 27. doi: 10.1111/1574-6968.12185. [Epub ahead of print] PubMed PMID: 23710656.

Distinct Translational Control in CD4(+) T Cell Subsets. Bjur E, Larsson O, Yurchenko E, Zheng L, Gandin V, Topisirovic I, Li S, Wagner CR, Sonenberg N, Piccirillo CA. *PLoS Genet*. 2013 May;9(5):e1003494. doi: 10.1371/journal.pgen.1003494. Epub 2013 May 2.

Diagnosis of Visceral Leishmaniasis in Bihar India: Comparison of the rK39 Rapid Diagnostic Test on Whole Blood Versus Serum. **Matlashewski G**, Das VN, Pandey K, Singh D, Das S, Ghosh AK, Pandey RN, Das P. *PLoS Negl Trop Dis*. 2013 May 23;7(5):e2233. doi: 10.1371/journal.pntd.0002233. Print 2013 May.

Sloan RD, Kuhl BD, Mesplède T, Münch J, Donahue DA, **Wainberg MA**. Productive entry of HIV-1 during cell-to-cell transmission via dynamin-dependent endocytosis. *J Virol*. 2013 May 15. PMID: 23678185

### PICTURE OF THE MONTH





Lisovsky I, Schader SM, Sloan RD, Oliveira M, Coutsinos D, Bernard NF, **Wainberg MA**. HIV-1 Subtype Variability in Vif Derived from Molecular Clones Affects APOBEC3G-Mediated Host Restriction. *Intervirology*. 2013. PMID: 23689841

Xu HT, Colby-Germinario SP, Asahchop EL, Oliveira M, McCallum M, Schader SM, Han Y, Quan Y, Sarafianos SG, **Wainberg MA**. The Effect of Mutations at Position E138 in HIV-1 Reverse Transcriptase and their Interactions with the M184I Mutation in Defining Patterns of Resistance to the Non-Nucleoside Reverse Transcriptase Inhibitors Rilpivirine and Etravirine. *Antimicrob Agents Chemother*. 2013. PMID: 23612196

Han YS, Xiao WL, Quashie PK, Mesplède T, Xu H, Deprez E, Delelis O, Pu JX, Sun HD, **Wainberg MA**. Development of a fluorescence-based HIV-1 integrase DNA binding assay for identification of novel HIV-1 integrase inhibitors. *Antiviral Res*. 2013;98(3):441-8. 2013. PMID: 23583286

**Note:** For those working towards a CIHR grant submission for Sep 15/13, remember to work on your new common CV. Bugs have been fixed but it still takes time to complete it.

## TEACHING

The 386 redesign project is funded by the local SALTISE group ([www.saltise.ca](http://www.saltise.ca)). This group includes science educators from local CEGEPs and McGill. Dr. Claire Trottier will be presenting the Department's plan for the 386 redesign at the annual SALTISE meeting on June 11<sup>th</sup>. Drs. James Coulton and Samantha Gruenheid will be participating at this conference as well. Dr. Trottier and Dr. Sylvie Fournier will be travelling to London, Ontario in July for the Western Conference on Science Education (<http://www.thewesternconference.ca>), where they will be presenting the 386 redesign project. We encourage other interested professors and students to contact Dr. Trottier if they are interested in attending this conference ([Claire.trottier@mail.mcgill.ca](mailto:Claire.trottier@mail.mcgill.ca)). This conference brings together post-secondary science educators from across Canada, and will be a prominent platform to showcase the work being done in our Department and learn from other innovators.

## Successful PhD Examinations

*Rene Pierre Lorgeoux* has successfully defended on May 29<sup>th</sup>. The title of his thesis was "Multiple roles of DDX17 in Human Immunodeficiency Virus type 1 replication". Congratulations Rene Pierre!



