

December 2010 - March 2011
 Issue 1 2011

Welcome

Welcome to **Kathilyn Onn**. Kathilyn has now been brought on board as our full time Media Specialist. Congratulations Kathilyn!



Congratulations

Dr. Nancy Chan has accepted the position of Program Director of the Course & Practicum Based Graduate Program (PA Program), Congratulations Nancy!

Congratulations to **Dr. Kamilia Rizkalla**, **Dr. Zia Khan**, **Dr. Mathieu Castonguay** and **Dr. Rob Hammond**, all of whom received the 2009/2010 USC Teaching Honour Roll Award of Excellence for excellence in teaching in Undergraduate Medical Education. Well done!

Congratulations

The Motor Vehicle Safety (Moves) Research Team has been transferred from the Faculty of Engineering to the Department of Pathology at Schulich. This project is being funded by Transport Canada. The Principal Investigator is **Dr. Mike Shkrum**.

On Tuesday, March 29th it was the Annual Margaret Moffat Research and Career Day. Schulich Graduate Students presented their research in a poster competition. Congratulations to **Manpreet Singh**, MSc Candidate (**Dr. Tianqing Peng**, Supervisor) and **Phaedra Henley**, PhD Candidate (**Drs. Jack Bend** and **Charlie Trick** Co-Supervisors). We would also like to thank **Drs. Jack Bend**, **Zia Khan**, and **Weiping Min** for being judges.

Residency Program Updates

In the first iteration of CaRMS (The Canadian Resident Matching Service which provides an electronic application service and a computer match for entry into postgraduate medical training) we matched with one AP resident. Second iteration of CaRMS is now complete and we matched with one more AP resident. Congratulations to our two new residents.

Grants

Dr. Hao Wang received an operating grant from the Canadian Institute of Health Research for supporting his research in transplant immunology.

Dr. Kamillia Rizkalla is the winner of a UME grant for the Summer Student Fund. David Tsoulis, first year Meds, will be working on the Blood Summer Student Project. David will be working with Dr. Rizkalla for 6 weeks.

Dr. Subrata Chakrabarti has received a two-year grant, effective July 1, 2011, from the Heart and Stroke Foundation of Ontario for his application titled "Vasoactive and cardioactive factors in diabetic heart disease".

Dr. Subrata Chakrabarti has received a joint two-year grant, from CIHR China-Canada Joint Health Research Initiative titled "Preventative Effects and the Mechanisms of action of a Novel Mutant of Fibroblast Growth Factor on Diabetic Cardiomyopathy.

The new Masters of Public Health Program has been awarded an Institutional Development Initiative (IDI) grant. Congratulations to **Drs. Bend** and **Garcia** and everyone involved.

Drs. Anthony Jevnikar and **Zhuxu Zhang**. Regulation of renal tubular epithelial cell injury to promote allograft survival, 2011-2016: Canadian Institute for Health Research.

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Publications

Achiam CC, Fernandes CM, McLeod SL, Salvadori MI, **John M**, Seabrook JA, Theakston KD, Milburn S, **Hussain Z**. Methicillin-resistant Staphylococcus aureus in skin and soft tissue infections presenting to the Emergency Department of a Canadian Academic Health Care Center. Eur J Emerg Med. 18(1):2-8, February 2011.

Albion C, **Shkrum M**, Cairns J. Contributing factors to methadone-related deaths in Ontario. Am J Forensic Med Pathol 31:313-319, 2010.

Brant M, Doyle P, Ho D, Kassam Z, Welch I, **Wehrli B**, Leung A, Husein M. Atrophy amongst mucosa-only versus muscular-mucosa superiorly based pharyngeal flaps: a pilot animal study. Plastic & Reconstructive Surgery. 2010 Jun;125(6): 1679-84.

Card S, **Tweedie EJ**, **Shkrum MJ**. A case of vascular Ehlers-Danlos Syndrome presenting in Autopsy. Canadian Journal of Pathology 2:9-11, Fall 2010.

Caumartin Y, Stephen J, Deng JP, Lian D, Lan Z, **Liu W**, **Garcia B**, Jevnikar AM, Wang H, Cepinskas G, Luke PP. Carbon monoxide-releasing molecules protect against ischemia-reperfusion injury during kidney transplantation. Kidney Int. 2011 Jan 26. [Epub ahead of print]

Chagla Z, Salvadori M, Sontrop J M, **John M**, **Hussain Z**, Chagla Y, Warshawsky B, Achiam C, Thompson B. Genetically typed community-acquired methicillin-resistant Staphylococcus aureus in a Canadian hospital. Letter to Can J Inf Dis and Med Micro <http://www.pulsus.com/journals/abstract.jsp?sCurrPg=journal&jnlKy=3&atlKy=9032&isuKy=874&spage=1&isArt=t>.

Chan SM, Garcia FJ, Chin JL, **Moussa MS**, **Gabril MY**. Margin Status in Radical Prostatectomies for Prostate Cancer. Christopher J, Chin MD, Jason H, Franklin MD, **Moussa MS**, Joseph L, Chin MD. Metastasis of renal cell carcinoma to the thyroid 12 years after nephrectomy. CMAJ 2011, DOI: 10.1503, Pages 1, 2.

Chan SM, Garcia FJ, Chin JL, **Moussa MS**, **Gabril MY**. The Clinical Significance of In-Depth Pathological assessment of Extra-prostatic Extension and Margin Status in Radical Prostatectomies for Prostate Cancer. Manuscript "PCAN-11-0010R". Prostate Cancer and Prostatic Diseases.

Daley TD, Minett CP, **Driman DK**, **Darling MR**. Oral metastatic hepatocellular carcinoma: A changing demographic in Europe and North America. Immunohistochemical advances in the microscopic diagnosis. Oral Oncol. 2011 Jan;47(1):76.

Darling MR, Wehrli B, Zeligman E, Smillie J, **Daley T**. Unusual Benign Smooth Muscle Lesions of the Tongue: Review of Two Cases. Head Neck Pathol. 2010: 30. [Epub ahead of print] Pub MED PMID: 21116881.

Feng B, **Chen S**, **McArthur K**, **Wu Y**, **Chakrabarti S**. miR146a mediated upregulation of extracellular matrix protein in diabetic retinopathy. Diabetes 59 (suppl 1): A63, 2010.

Feng B, **Chen S**, **McArthur K**, **Wu Y**, **Chakrabarti S**. Intravitreal delivery of miR200b prevents diabetic retinopathy associated changes. Canadian J. Diab. Care (34 Suppl), 4A, 2010.

Publications

Feng B, Chen S, McArthur K, Wu Y, Chakrabarti S. P300 regulates microRNA mediated modulation of gene transcription in diabetes. *Canadian J. Diab. Care* (34 Suppl), 28A, 2010.

Lach B, **Haust MD.** Nodular Lesions of Choroid Plexus in Hurler Disease. *Fetal Pediatr Pathol*, 2011 Feb 28. [Epub ahead of print]

Nichol KA, Adam H J, **Hussain Z**, Mulvey M R, McCracken M, Mataseje L F, Thompson K, Kost S, Lagace-Wiens PRS, Hoban DJ, Zhanel GG, The Canadian Antimicrobial Resistance Alliance (CARA) Comparison of community-associated and health care-associated methicillin-resistant *Staphylococcus aureus* in Canada: Results of the CANWARD 2007-2009 Study. *Diagnostic Microbiology and Infectious Disease*. 2011 Mar; 69(3): 320-325.

Luke P, **Garcia B.** CORM-2 protects against ischemia-reperfusion injury in kidney transplantation *Kidney International* Accepted / In Press 2010/11/30.

McArthur K, Feng B, Wu Y, Chen S, Chakrabarti S. MicroRNA-200b regulates vascular endothelial growth factor-mediated alterations in diabetic retinopathy. *Diabetes*. 2011 Feb. 28 [Epub ahead of print].

McArthur K, Feng B, Wu Y, Chen S, Chakrabarti S. MicroRNA-200b mediates upregulation of VEGF in diabetic retinopathy. *Diabetes* 59 (suppl1): A64, 2010.

McArthur K, Feng B, Wu YX, Chen S, Chakrabarti S. MicroRNA 200b regulates VEG mediated alterations in diabetic retinopathy. *Diabetes* 2011; 60 (4): 1314-23, Epub.

Riopel M, Krishnamurthy M, Li J, Liu S, Leask A, Wang R. Conditional β 1-integrin-deficient mice display impaired pancreatic β cell function. *JPathol*, 2011 May; 224(1):45-55. Doi: 10.1002/path.2849. Epub 2011 Mar7.

Shkrum MJ. Benefits of the Autopsy. *Canadian Journal of Pathology*, 4, Winter 2010.

Stall N, Rubin T, Sarojini J, Mathai MD, Abraham OC, Mathews P, Thomas K, **John M**, Daley P. Does solid culture for tuberculosis influence clinical decision making in India? *Int J Tuber Lung Dis* 15(5):1-6 2011.

Stuart JI, **John MA**, Milburn S, Diagre D, Wilson B, Hussain Z. Susceptibility patterns of coagulase-negative staphylococci to several newer antimicrobial agents in comparison with vancomycin and oxacillin. *Int J Antimicrob Agents*. 2011 Mar; 37(3): 248-252. Epub 2011 Feb 4/.

Wang S, **Garcia B.** Anti-IL-2 receptor antibody decreases cytokine induced apoptosis of human renal tubular epithelial cells (TEC). *Nephrol Dial Transplant*. 2010 Dec 2. [Epub ahead of print]

Zhang ZX, Lian D, Huang X, Wang S, Sun H, **Liu W, Garcia B, Min WP**, Jevnikar AM. Adoptive transfer of DNT cells induces long-term cardiac allograft survival and augments recipient CD4(+)Foxp3(+) Treg cell accumulation. *Transpl Immunol*. 2011 Jan 15;24(2):119-26. Epub 2010 Nov 9.

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Zheng X, Suzuki M, Zhang X, Ichim TE, Zhu F, Ling H, **Shunnar A**, Wang MH, **Garcia B**, Inman RD, **Min WP**. RNAi-mediated CD40-CD154 interruption promotes tolerance in autoimmune arthritis. *Arthritis Res Ther*. 2010; 12(1):R13.

Abstracts, Posters and Presentations

Dr. David Driman presented a case of MMF Colitis at the GI Pathology Specialty Conference at the USCAP meeting in San Antonio, March 2011.

Gibson, E, Crukley, C, **Gomez, JA**, **Moussa, M**, Bauman, G, Fenster A, Ward AD, paper titled: "Tissue Block MRI for Slice Orientation-Independent Registration of Digital Histology Images to Ex Vivo MRI of the Prostate" has been accepted for presentation at ISBI (International Symposium on Biomedical Imaging).

Five (5) research abstracts from **Dr. Hao Wang's** group have been accepted for presentation at the American Transplant Congress in May 2011. This is the highest profile scientific congress in the field of transplantation.

Abstract Presented

Messenger DE, **Driman DK**, McLeod S, Riddell RH, Kirsch R. Current practice patterns among pathologists in the assessment of venous invasion in colorectal cancer. *Mod Pathol* 2011; 24:434A.

Su Y, Lian D, Huang X, Wang S, **Garcia B**, **Min W**, Jevnikar A, **Zhang Z-X**. DNT cells induces long-term cardiac allograft survival and augments recipients CD4+Foxp3+ Treg cell accumulation. Canadian Society of Transplantation meeting Mont-Tremblant, March 2-5, 2011.

Su Y, Lian D, Huang X, Wang S, **Garcia B**, **Min W**, Jevnikar A, **Zhang Z-X**. Adoptive transfer of DNT cells facilitates mixed chimerism by inducing anti-donor T Canada Society of Transplantation meeting, Mont-Tremblant, March 2-5, 2011.

TC Fok, **TD Daley**, HJ Lapointe, **AB Tuck**, AF Chambers, **L. Jackson-Boeters**, **MR Darling**. Osteopontin, HCAM/CD44 and Integrin $\alpha\text{v}\beta 3$ in Salivary Gland Tumours. IADR March 14 -20, San Diego.

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Awards

Wahab Khan of Dr. Joan Knoll's lab received the Graduate Thesis Research Fund Award.

Arthur Lau: Travel award, Canadian Society of Transplantation annual meeting. Mont Tremblant, Canada, Mar 2-5, 2011. Supervisors: Anthony Jevnikar and Zhuxu Zhang.

Dr. Alan Tuck and graduate student Caroline Whiston who received a Banting and Best Master's Award from the Canadian Institutes Health Research in the amount of \$17,500.00.

Dr. Zia Khan who has been awarded the Lawson Health Research Institute Fall 2010 Internal Research Fun (IRF) – Studentship Award in the amount of \$15,000.

Matthew Riopel, MSc Candidate with Dr. Rennian Wang and Wahab Khan, PhD Candidate along with Dr. Joan Knoll, who have been awarded The Graduate Thesis Research Award from the Schulich School of Medicine & Dentistry.

Post-doctoral fellow Dr. Shuhua Luo from Dr. Hao Wang's group who has won the Young Investigators Award from the Canadian Society of Transplantation and from the joint Canadian/American Society of Transplantation Distinguished Fellows Research Symposium. Dr. Luo is one of three (3) Basic Science Trainee Award winners from the Canadian Society of Transplantation in 2011 – a remarkable achievement.

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Miscellaneous

The Department of Pathology collected 3,831 items and \$1,100.00 for the food bank this past Holiday Season. Jane Roy, the Food Bank Manager visited personally to receive the monies. Planning for next year will include a "challenge" with another department for a friendly and productive competition. Well done Pathology!



Just For FUN!



**Remember to keep the
 good news items coming!**

*Please send your submission to Susan Stewart
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 Department of Pathology
 Schulich School of Medicine & Dentistry
 University of Western Ontario*