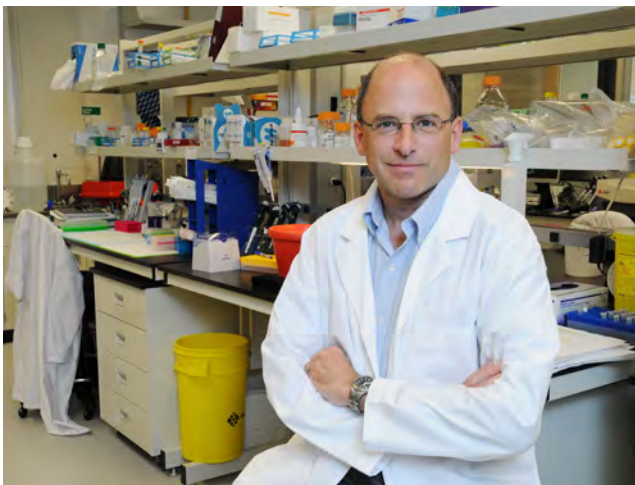


2014 Annual Pathology Research Day

Friday, March 28, 2014 in the Great Hall



Featuring:

Dr. Tom Hudson

President and Scientific Director,
Ontario Institute for Cancer Research (OICR)
Professor, Medical Biophysics, University of Toronto

Keynote / Address: Genome Variation & Personalized Cancer Medicine



Welcome

Rodney Hagle will be starting part time at the end of January. He will be with the department for the next year working as our Media Specialist while Kathilyn is on maternity leave.

We would like to welcome our new graduate students who began our programs in September;

Sonja DiGregorio, MSc Candidate
Supervisor: Dr. Martin Duennwald

Milica Krstic, MSc Candidate
Supervisors: Drs. Ann Chambers & Alan Tuck

Jina Kum, MSc Candidate
Supervisor: Dr. Zia Khan

Cecilia Kwok, MSc Candidate
Supervisor: Dr. ZhuXu Zhang

Stephanie Mok, MSc Candidate
Supervisor: Dr. Chris Howlett

Jason Peart, MSc Candidate
Supervisor: Dr. Rennian Wang

Meghan Piccinin, MSc Candidate
Supervisor: Dr. Zia Khan

Larry Zhou, MSc Candidate
Supervisor: Dr. Rennian Wang

Anu Thomas, PhD Candidate
Supervisor: Dr. Subrata Chakrabarti

Ilia Tikhomirov, PhD Candidate
(Part-time)
Supervisor: Dr. Jim Koropatnick

Matthew Morrison, MSc Candidate
(Part-time)
Supervisor: Dr. Mark Darling

Masters of Clinical Sciences –
Pathologists' Assistant Students are:
**Samantha Crombie, Shelby Dean,
Lei Gong, Jessica Kent, Andrew
Zhang**

Congratulations - Baby news



The latest Garcia (Dr. Bertha Garcia's second granddaughter) Morgan Manuela Garcia. 9lbs 9 oz at 13:48 on October 21st to proud parents Tara Meecham and Francisco Garcia.



Zara (meaning light) Sameeha Mortuza was born on Sunday December 8, 2013, to graduate student Rokhsana Mortuza (Chakrabarti lab).



Haneen Maher Kurdi born January 23, 2014 to NP Resident Maher Kurdi and his wife.



Baby Wesley Allewell. Wesley was born on Saturday, January 18 at 5:36 p.m., weighing in at 8 lbs 9 oz. Kathilyn, her husband James and baby Wesley are all doing well.

Past Event Highlights

Grand Rounds

Thursday, September 12, 2013

Dr. Anthony Nichols
Assistant Professor,
Head and Neck Oncologist and Microvascular
Reconstructive Surgeon
Department of Otolaryngology
Head and Neck Surgery
“ Personalizing Care in Head and Neck Cancer ”

Zhong Seminar

Thursday, October 10, 2013

John Di Guglielmo, PhD
Associate Professor
Department of Physiology and Pharmacology
Western University
“aPKC: a nexus for TGFbeta-dependent EMT in lung
tumor cells”

Cancer Care Ontario Event

Update in Selected Topics in Pathology
A Western University and Cancer Care Ontario Program
Was held at Ivey Spencer Leadership Centre on
Saturday, October 26, 2013

Pathologists from across Southwestern Ontario
attended as well as residents and a Pathologist's
Assistant student. Stay tuned for the next symposium
coming soon **May 16, 2014.**

Fall Lecture Series

November 12, 2013

Department of Pathology participated in Fall Lecture
Series for potential graduate students. The event was
well received and we had 49 registrants. Pathology
representatives included Chandan Chakraborty, Nancy
G. Chan (presenter), Zia A. Khan (presenter), Tracey
Koning, Jina Kum, Meghan Piccinin, Stephanie Mok,
Shelby Dean, Samantha Crombie, Jessica Kent, Lei Gong.

Grand Rounds

Thursday, November 14, 2013

Teresa Van Deven PhD
Adjunct Professor, Department of Pathology
Curriculum Specialist, Undergraduate Medical Education
“ Scholarship of Teaching in Medical Education:
Challenges and Possibilities “

Fall Preview Day for perspective undergraduate Students

November 16, 2013

Over 11,000 visitors were on campus on fall preview
day. Pathology representatives included Zia A. Khan
and BSc Pathology and Toxicology Honors students
Andrew Arifin, Bill Yan, James Roos, Kelly Chang, Mathew
Chan, Mei Wen, Samik Doshi, and Sandra Mekhael.

Diabetes Research Day

4th Annual Diabetes Research Day was held on
November 12, 2013. Eleven out of 22 posters
presented were from the Department of Pathology!!

Zhong Seminar

Thursday, December 12, 2013

S.M. Mansour Haeryfar, PhD
CRC Viral Immunity & Pathogenesis
Associate Professor,
Department of Microbiology & Immunology
Western University
“Manipulation of Conventional and Glycolipid-reactive
T Cells in Allotransplantation”



Lightning Game (Photo Above)

Almost 30 Pathology, faculty, staff and graduate
students came together for a Department outing on
November 15th, 2013 to watch the London Lightning
crush the Windsor Express at Budweiser Gardens. It was
a great opportunity to break away from the lab and the
office to interact with other members of the Department.

Publications

Fok TC, Lapointe H, **Tuck AB**, Chambers AF, Jackson-Boeters L, **Daley TD**, **Darling MR**. Expression and localization of osteopontin, homing cell adhesion molecule/CD44, and integrin α 3 in pleomorphic adenoma, polymorphous low-grade adenocarcinoma, and adenoid cystic carcinoma. *Oral Surg Oral Med Oral Pathol Oral Radiol*. 2013 Dec; 116(6):743-51. doi: 10.1016/j.oooo.2013.09.004.

Gibson E, Gaed M, **Gomez JA**, **Moussa M**, Paulter S, Chin JL, Crukley C, Bauman GS, Fenster A, Ward AD. 3D prostate histology image reconstruction: quantifying the impact of tissue deformation and histology section location. *Journal of Pathology Informatics*

Gibson E, Gaed M, **Gómez JA**, **Moussa M**, Romagnoli C, Pautler S, Chin JL, Crukley C, Bauman GS, Fenster A, Ward AD. 3D prostate histology reconstruction: an evaluation of image-based and fiducial-based algorithms. *Med Phys*. 2013 Sep; 40(9):093501. doi: 10.1118/1.4816946.

Harkiran K, **Haig A**, Nell A, **Weir MM**. Rapid Rescreening of Pap Tests: A comparison to 10% Rescreening. *Canadian Journal of Pathology* 2013: in press

Kum JY and **Khan ZA**. Propranolol inhibits growth of hemangioma-initiating cells but does not induce apoptosis. *Pediatr Res*. doi: 10.1038/pr.2013.231

Lau A, Wang S, Jiang J, **Haig A**, Pavlosky A, Linkermann A, **Zhang ZX**, Jevnikar AM. RIPK3-mediated necroptosis promotes donor kidney inflammatory injury and reduces allograft survival. *Am J Transplant*. 2013 Nov; 13(11):2805-18. doi: 10.1111/ajt.12447. Epub 2013 Sep 18

Li-Chang HH, **Driman DK**. Evaluating necrosis and chemotherapy response in colorectal cancer liver metastases. Comment on Knijn et al. (2013). *Histopathology*. 2013 Aug; 63(2):294-5. doi: 10.1111/his.12146.

Lin CM, Jaswal J, Vandenberg T, **Tuck A**, Brackstone M. Weakly hormone receptor-positive breast cancer and use of adjuvant hormonal therapy. *Curr Oncol*. 2013 Dec; 20(6):e612-3. doi: 10.3747/co.20.1598.

Palmer TD, Martinez CH, Vasquez C, Hebron K, Jones-Paris C, Arnold SA, Chan SM, Chalasani V, **Gomez-Lemus JA**, Williams AK, Chin JL, Giannico GA, Ketova T, Lewis JD, Zijlstra A. Integrin-free tetraspanin CD151 can inhibit tumor cell motility upon clustering and is a clinical indicator of prostate cancer progression. *Cancer Res*. 2013 Nov 12. [Epub ahead of print]

Rakovitch E, Narod SA, Nofech-Moses S, Hanna W, Thiruchelvam D, Saskin R, Taylor C, **Tuck A**, Youngson B, Miller N, Done SJ, Sengupta S, Elavathil L, Jani PA, Bonin M, Metcalfe S, Paszat L. Impact of boost radiation in the treatment of ductal carcinoma in situ: a population-based analysis. *Int J*

Radiat Oncol Biol Phys. 2013 Jul 1; 86(3):491-7. doi: 10.1016/j.ijrobp.2013.02.031.

Sangle NA, Miles RR, Kelley TW, Perkins SL. Aberrant Expression of Multiple T Antigens: CD4, CD5, and CD8 on Diffuse Large B-cell Lymphoma. *Appl Immunohistochem Mol Morphol*. 2013 Oct 31.

Siu KS, Chen D, Zheng X, **Zhang X**, Johnston N, Liu Y, Yuan K, Koropatnick J, Gillies E R, Min WP. Non-covalently functionalized single-walled carbon nanotube for topical siRNA delivery into melanoma*

Su Y, Jevnikar A, Huang X, Lian D, **Zhang Z-X**. CD4+ but not CD8+ memory T cells evade Granzyme B attack by DN-Treg via expression of Serine Protease Inhibitor-6. *Am J Transplant*. In press. 2013

Tadros M, Williams V, Coleman BL, McGeer AJ, Haider S, Lee C, Iacovides H, Rubinstein E, **John M**, Johnston L, McNeil S, Katz K, Laffin N, Suh KN, Powis J, Smith S, Taylor G, Watt C, Simor AE. Epidemiology and outcome of pneumonia caused by methicillin-resistant *Staphylococcus aureus* (MRSA) in Canadian hospitals. *PLoS One*. 2013 Sep 17; 8(9):e75171. doi: 10.1371/journal.pone.0075171.

Todorovich SM and **Khan ZA**. Elevated T-box 2 in infantile hemangioma stem cells maintains an adipogenic differentiation-competent state. *Dermatoendocrinol*. 5(3):e1-e6, 2013.

Weir MM, Colgan T. Endometrial Lesions, Unusual Tumours and Extrauterine Cancer. *Cytopathology*. Chapter 10 in: *Comprehensive Cytopathology*. Ed: Drs. M. Bibbo and D. Wilbur, 2013: in press.

Weir MM, Khetani K. A New Era for Advanced Cytopathology Training: The Royal College Diploma Program. *Canadian Journal of Pathology* 2013: in press

Wong D, Irimies A, **Shkrum M**, **Joseph MG** Malignant combined squamomelanocytic tumor: a clinical case. *Dermatol Online J*. 2013 Sep 14;19(9):19610.

Grants

Congratulations to Dr Zhu-Xu Zhang who is a co-applicant on a successful grant application of the Canadian National Transplant Research Program (CIHR-CNTRP). The project is entitled "Characterizing the impact of membrane vesicles produced by apoptotic and necrotic endothelial cells on rejection and GVHD".

Presentations, Posters & Abstracts

Piccinin MA and **Khan ZA**. Differential contribution of niche proteins by osteoblasts and adipocytes: potential mechanism of stem cell depletion in diabetes. Presented at the 4th Annual Diabetes Research Day, London ON, November 2013.

Piccinin MA and **Khan ZA**. Adipogenesis of bone marrow mesenchymal progenitor cells is associated with selective modulation of extracellular matrix. Presented at the 4th Annual Diabetes Research Day, London ON, November 2013.

Piccinin MA and **Khan ZA**. Potential role of diabetes-induced angiopoietin-2 in altering stem cell niche proteins. Presented at the 4th Annual Diabetes Research Day, London ON, November 2013.

Bauman G, Mandel J, Romagnoli C, Rachinsky I, Ward AD, Gibson E, **Gaed M**, **Moussa M**, **J Gomez-Lemus**, Chin J, Pautler S, Butler J, Wong E, Lee TY. 18-fluorocholine imaging of localized prostate cancer: first experience with hybrid PET/MRI. Annual Meeting Canadian Organization of Medical Physicists-Canadian Association of Radiation Oncology. 2013/09
Chan N. Problem cases in gynecological pathology. Update in Selected Topics in Pathology. 2013/10/26

Delport J. ESBL and Carbapenemases ... Where does infection Control Fit In? City-Wide Infection Prevention and Control. 2013

Gabril, M. Mimickers of bladder neoplasia. Update in Selected Topics in Pathology. 2013/10/26

Garcia B, Elizov M. Tips for a great residency program. Royal College of Physicians and Surgeons of Canada – LACRE 2013. 2013/10/28

Garcia B, Hoyl T. "Residents as leaders: promoting change in your residency program". Royal College of Physicians and Surgeons of Canada – LACRE 2013. 2013/10/28
Garcia B, Johnson M. "Designing your Teaching Road Map". Continuing Education. 2013/10/22

Garcia B. "How to Get Promoted (Basic)". Continuing Medical Education. 2013/11/18

Garcia B. Assessing resident performance – (advanced) Royal College of Physicians and Surgeons of Canada – LACRE 2013. 2013/10/30

Gibson E, **Gaed M**, **Gomez JA**, **Moussa M**, Romagnoli C, Mandel J, Bastian-Jordan M, Ghoul S, Cool D, Pautler S, Chin JL, Crukley C, Bauman GS, Fenster A, Ward AD. Toward contouring guidelines for prostate cancer focal therapy planning on MRI: characterisation of tumour boundary contrast via accurate pathology fusion. Annual Meeting Radiology Society of North America. 2013/12

Gomez JA. Imaging validation and quantitative pathology in prostate cancer: shape interpolation methods for tumor measurement. Annual Meeting Canadian Organization of Medical Physicists-Canadian Association of Radiation Oncology. 2013/09

Imani F, Abolmaesumi P, Gibson E, Khojaste A, **Gaed M**, **Moussa M**, **Gomez JA**, Romagnoli C, Siemens DR, Leviridge M, Change S, Fenster A, Ward AD, Mousavi P. Ultrasound-based characterization of prostate cancer: an in vivo clinical feasibility study. Medical Image Computing and Computer-Assisted Intervention. 2013/09

John, M. Focus on Flu. Advancing Knowledge, Promoting Change. Infection Prevention and Control. 2013/10/31

Joseph, M. Mimickers of bladder neoplasia. Update in Selected Topics in Pathology. 2013/10/26

Khan WA, Rogan PK, **Knoll JHM**. Non-random, locus –specific differences in DNA accessibility are present in homologous metaphase chromosomes. Abstract accepted for a platform presentation at The 63rd Annual American Society of Human Genetics Meeting. Boston MA, USA October 22-26 2013.

McLachlin CM. Reporting histopathology from the cervix and vagina: Developing Canadian consensus. Update in Selected Topics in Pathology. 2013/10/26

Mukhopadhyay A, **Daley T**, **Darling M**. The origin of granular cell tumors. Dentistry Annual Research Day, Schulich School of Medicine & Dentistry, University of Western Ontario. 2013/10/09

Parfitt J, **Walsh J**. Stomach pains: a potpourri of diagnostic problems in gastric pathology. Update in Selected Topics in Pathology. 2013/10/26

Salarian M, Shahedi M, Gibson E, **Gaed M**, **Gomez JA**, **Moussa M**, Cool DW, Romagnoli C, Bauman GS, Ward AD. Imaging validation and quantitative pathology in prostate cancer: shape interpolation methods for tumour measurement. Annual Meeting Canadian Organization of Medical Physicists-Canadian Association of Radiation Oncology. 2013/09

Walsh J. Funny Polyps. Ontario Gut Club. 2013/10/26



(Photo Above) 10-21-2013 - **Emily Keats**, **Jina Kum**, and **Sydney Todorovich (Khan Lab)** presented their research projects at the Till & McCulloch Meeting (Banff, AB).

Awards



Dr. Ang was the winner of the **2013 M.E. Kirk Award for Excellence in Education** presented at the Annual Pathology Holiday Celebration. Congratulations Dr. Ang, this is very well deserved.

- Dr. Mike Shkrum and Dr. Michele Weir were recipients of awards from the Royal College Specialty Chairs Committee, both received **Lean-on-me Awards**, Dr. Shkrum for Forensic Pathology and Dr. Weir for Cytopathology. Congratulations to you both
- The Year 2 Reproduction course received the **HUMEC Award** for the Year 2 Curriculum, in the 2012-2013 Academic Year, which was announced at PIC.

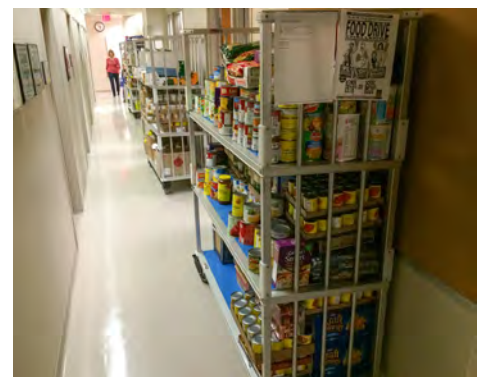
Pathology faculty involved in teaching this course is: Drs. Alan Tuck, Nancy Chan, Jose Gomez, Meg McLachlin and Michele Weir.

HUMEC is a student run committee organized through the Hippocratic council where students can voice their concerns directly with the Undergraduate Dean about all things academic. This award was made as a way of honoring those courses and course chairs that have excelled in areas of: 1) Innovation in teaching and evaluation, 2) Commitment to improvement, and 3) Student-centeredness.

- We wanted to extend our congratulations and thank you to all of you, our faculty and support staff for your generous contribution of your time, energy & efforts towards the Repro course. We could not have come this far without all of your help! As well, a special thanks to our prior course co-chairs - Dr. Rob Gratton & Dr. Rahi Victory for their commitment to the course over the last few years.

Other News

Charitable and Community Work - Food Drive Challenge



Another year of success!!!! A sincere thanks and congratulations to everyone involved in the Food Drive Challenge!

This year's donation the biggest and best ever is so greatly appreciated by those in need, especially around the holidays. Well done Pathology! You do make a difference.

Other News

The Windsor hospital sites have been renamed. This change took place Tuesday, October 22, 2013.

Hotel Dieu Grace Hospital Windsor & Hotel Dieu Site is now known as:

Windsor Regional Hospital - Ouellette Campus

Windsor Regional Hospital is now known as:

Windsor Regional Hospital - Metropolitan Campus

There is a new hospital as well:

Hotel Dieu Grace Healthcare - Tayfour Campus

Pathology Safety inspection

The University wide Laboratory Safety Committee announced that the Department of Pathology was an exemplary department for safety as we followed all the rules and regulations and achieved one of the highest standards for safety!

A huge thank you to Linda Jackson for all her time and effort in this success!

Congratulations Pathology and all faculty, staff, graduate students and members of the department on this excellent distinction!

Jenna, Jordan & Michele
(Repro course co-chairs, 2013-4)

Dr. David Driman and Dr. Brian Schick both have published photos in 2013/2014 Schulich Medicine & Dentistry, Western Calendar. You both have an amazing eye!

Guess the Baby

A Guess the Baby Photo contest from December 6 to December 19. 33 staff members (pathologists, office staff, lab techs, cytology staff, PA's, SRA and residents) participated. Baby pictures were posted in crafty gingerbread houses where everyone could take their guess.

The winner was Rhonda Brown, Cytology with 13/33 correct. The overall percentage was between 9-39%. Rhonda won a \$100.00 gift card to Masonville Mall (donated by 50/50 funds and a generous anonymous donor). 6 people tied for second with 11/33 guesses. The most recognizable baby was Dr. Bret Wehrli!

Kathilyn's Baby Shower

A baby shower was held on January 10, 2013 for Kathilyn! We're going to miss you over the next year!



BirthDay Club

November - Linda
December - Tracey
December - Cheryl

Other News

Dr. Edith Arany and Dr. Subrata Chakrabarti travel to Chile in September to a workshop that Dr. Arany organized on behalf of Lawson.

Lawson-Chile partnership

Dr. Edith Arany (adjunct professor of the department of Pathology-Associated Scientist at Lawson) initiated a project (2 years ago) lead by The Lawson Health Research Institute to establish academic collaborations with Chile. After long preparations from both sides Canada –Lawson and Pontificia Universidad Católica (PUC)-Chile a workshop was held in Santiago de Chile hosted by Dr. Edith Arany and Dr. Luis Sobrevia at the PUC. A selected group of Scientists from Lawson were guest speakers at this workshop and they represented different areas of research. Dr. Subrata Chakrabarti and Dr. Edith Arany presented their research at this meeting. Other investigators as Dr. David J, Hill, Dr. James Koropatnick, Dr. Ruud Veldhuizen and Dr. Tim Regnault were also between the speakers.

The meeting was entitled IPW-2013 (International Post-graduate Workshop 2013 and Lawson Research Institute's Joint meeting , based on the theme "Understanding disease from fetal life to adulthood" in Santiago, Chile. It was held on October 16-17 2013.

As a result of this meeting an MOU (memorandum of understanding) was signed between the two institutions to foster future collaborations. Dr. Arany has been designated as the Lawson liason –contact at the PUC.



Keep The News Coming

Please send your submission to Susan Stewart

susan.stewart@schulich.uwo.ca

Department of Pathology

Schulich School of

Medicine & Dentistry Western University



Pathology*Post*

