Molecular Medicine Journal Club
SEPTEMBER 2007 TO JUNE 2008

Fridays 12:15 p.m. – 1:15 p.m.
Toronto Medical Discovery Tower, 101 College St.
(see below for exact room number)

MONTH	DATE	SPEAKER	HOST	LOCATION
September	14	**Michelle Axford** -Pearson Lab *Reduced Mcm2 Expression Results in Severe Stem/Progenitor Cell Deficiency and Cancer* Pruitt, SC, Bailey, KJ, Freeland, A Stem Cells. 2007 Aug 23; [Epub ahead of print]	S. Meyn	14-203
	21	**CANCELLED -** MedGen Retreat	S. Meyn	14-203
	28	**Paul Bradshaw, PhD** - Meyn Lab *Oncogene-induced senescence is part of the tumorigenesis barrier imposed by DNA damage checkpoints.* Bartkova J, Rezaei N, Liontos M, Karakaidos P, Kletsas D, Issaeva N, Vassiliou LV, Kolettas E, Niforou K, Zoumpourlis VC, Takaoka M, Nakagawa H, Tort F, Fugger K, Johansson F, Sehested M, Andersen CL, Dyrskjot L, Ã*f*Ëœrntoft T, Lukas J, Kittas C, Helleday T, Halazonetis TD, Bartek J, Gorgoulis VG. Nature. 2006 Nov 30;444(7119):633-7.	S. Meyn	15-710
October	5	**Catherine Forse** - Andrulis Lab *Heat Shock Factor 1 is a powerful multifaceted modifier of carcinogenesis* Chengkai Dai, Luke Whitesell, Arlin B. Rogers, and Susan Lindquist Cell 130, 1005-1018 September 21, 2007.	S. Meyn	15-710
	12	**Calvin Mok -** Heon Lab *Disruption of intraflagellar transport in adult mice leads to obesity and slow-onset cystic kidney disease.* Davenport JR, Watts AJ, Roper VC, Croyle MJ, van Groen T, Wyss JM, Nagy TR,Kesterson RA, Yoder BK. Curr Biol. 2007 Sep 18;17(18):1586-94. Epub 2007 Sep 6.	S. Meyn	15-710
	19	**Hidefumi Hiramatsu** -Dick Lab *Tumour invasion and metastasis initiated by microRNA-10b in breast cancer.* Ma L, Teruya-Feldstein J, Weinberg RA. Nature. 2007 Oct 11;449(7163):682-8. Epub 2007 Sep 26	S. Meyn	15-710

October	26	**CANCELLED - ASHG/Gairdner Awards**	S. Meyn	15-710
November	2	**Ted (Edwin) Young** - Osborne Lab *Transmission of a fatal clonal tumor by biting occurs due to depleted MHC diversity in a threatened carnivorous marsupial.* Siddle HV, Kreiss A, Eldridge MD, Noonan E, Clarke CJ, Pyecroft S, Woods GM, Belov K. Proc Natl Acad Sci U S A. 2007 Oct 9;104(41):16221-6. Epub 2007 Oct 2.	S. Meyn	15-710
	9	**Ivan Pasic** - Malkin Lab *The SMC5/6 complex maintains telomere length in ALT cancer cells through SUMOylation of telomere-binding proteins.* Potts PR, Yu H. Nat Struct Mol Biol. 2007 Jul;14(7):581-90. Epub 2007 Jun 24. Comment in: Nat Struct Mol Biol. 2007 Jul;14(7):570-1.	S. Meyn	15-710
	16	**Heather Ball, PhD** - Rommens Lab *Septins regulate actin organization and cell-cycle arrest through nuclear accumulation of NCK mediated by SOCS7.* Kremer BE, Adang LA, Macara IG. Cell. 2007 Sep 7;130(5):837-50. Comment in: Cell. 2007 Sep 7;130(5):777-9.	S. Meyn	15-710
	23	**Clement Zai** - Kennedy Lab *Converging evidence for a pseudoautosomal cytokine receptor gene locus in schizophrenia.* Lencz T, Morgan TV, Athanasiou M, Dain B, Reed CR, Kane JM, Kucherlapati R, Malhotra AK. Mol Psychiatry. 2007 Jun;12(6):572-80. Epub 2007 Mar 20.	S. Meyn	15-710
	30	**Christina Tang** - McInnes Lab *A neuroligin-3 mutation implicated in autism increases inhibitory synaptic transmission in mice.* Tabuchi K, Blundell J, Etherton MR, Hammer RE, Liu X, Powell CM, Südhof TC. Science. 2007 Oct 5;318(5847):71-6. Epub 2007 Sep 6. Comment in:Science. 2007 Oct 5;318(5847):56-7.	S. Meyn	15-710
December	7	**CANCELLED** - Weksberg Lab	S. Meyn	15-710
	14	**CANCELLED**	S. Meyn	15-710

December	21	**CANCELLED**	S. Meyn	15-710
	28	**CANCELLED**	S. Meyn	15-710
January	4	**Chelsea Taylor** - Corey Lab *The Wellcome Trust Case Control Consortium.* *Genome-wide association study of 14,000 cases of seven common diseases and 3,000 shared controls.* Nature 447, 661-678 (7 June 2007). Supplementary information for this article can be found here: http://www.nature.com/nature/journal/v447/n7145/extref/nature05911-s1.pdf	S. Meyn	15-710
	11	**Tarang Khare** - Petronis Lab *High-resolution profiling of histone methylations in the human genome.* Barski A, Cuddapah S, Cui K, Roh TY, Schones DE, Wang Z, Wei G, Chepelev I, Zhao K. Cell. 2007 May 18;129(4):823-37	S. Meyn	15-710
	18	**CANCELLED** - Wilde Lab	S. Meyn	15-710
	25	**Britta Knight** - Marsden Lab *A chromatin landmark and transcription initiation at most promoters in human cells.* Guenther MG, Levine SS, Boyer LA, Jaenisch R, Young RA. Cell. 2007 Jul 13;130(1):77-88. Comment in: Cell. 2007 Jul 13;130(1):16-8.	S. Meyn	15-710
February	1	**Cynthia Kuk & Vathany Kulasingam** - Diamandis Lab *A proteome resource of ovarian cancer ascites: integrated proteomic and bioinformatic analyses to identify putative biomarkers.* Gortzak-Uzan L, Ignatchenko A, Evangelou AI, Agochiya M, Brown KA, St Onge P, Kireeva I, Schmitt-Ulms G, Brown TJ, Murphy J, Rosen B, Shaw P, Jurisica I, Kislinger T. J Proteome Res. 2008 Jan;7(1):339-51	S. Meyn	15-710
	8	**OPEN**		15-710
	15	**Mohsen Husseini, PhD** - Paterson Lab *Identification and analysis of functional elements in 1% of the human genome by the ENCODE pilot project* ENCODE Project Consortium Nature. 2007 Jun 14;447(7146):799-816.	S. Meyn	15-710
	22	**CANCELLED** - Rottapel Lab	S. Meyn	15-710

	29	**Andy Pang** -Scherer Lab *Closing gaps in the human genome with fosmid resources generated from multiple individuals.* Bovee D, Zhou Y, Haugen E, Wu Z, Hayden HS, Gillett W, Tuzun E, Cooper GM, Sampas N, Phelps K, Levy R, Morrison VA, Sprague J, Jewett D, Buckley D, Subramaniam S, Chang J, Smith DR, Olson MV, Eichler EE, Kaul R. Nat Genet. 2008 Jan;40(1):96-101. Epub 2007 Dec 23	S. Meyn	15-710
March	7	**Shamini Selvarajah** -Zielenska Lab *Identification of genotype-correlated sensitivity to selective kinase inhibitors by using high-throughput tumor cell line profiling.* McDermott U, Sharma SV, Dowell L, Greninger P, Montagut C, Lamb J, Archibald H, Raudales R, Tam A, Lee D, Rothenberg SM, Supko JG, Sordella R, Ulkus LE, Iafrate AJ, Maheswaran S, Njauw CN, Tsao H, Drew L, Hanke JH, Ma XJ, Erlander MG, Gray NS, Haber DA, Settleman J. Proc Natl Acad Sci U S A. 2007 Dec 11;104(50):19936-41. Epub 2007 Dec 6.	S. Meyn	15-710
	14	**Wigdan Al-Sukhni** - Gallinger Lab *Phenotypically concordant and discordant monozygotic twins display different DNA copy-number-variation profiles.* Bruder CE, Piotrowski A, Gijsbers AA, Andersson R, Erickson S, de Ståhl TD, Menzel U, Sandgren J, von Tell D, Poplawski A, Crowley M, Crasto C, Partridge EC, Tiwari H, Allison DB, Komorowski J, van Ommen GJ, Boomsma DI, Pedersen NL, den Dunnen JT, Wirdefeldt K, Dumanski JP. Am J Hum Genet. 2008 Mar;82(3):763-71. Epub 2008 Feb 14.	S. Meyn	15-710
	21	**CANCELLED** - Good Friday		15-710
	28	**Liliana Clemenza** - Rottapel Lab *A20 is an antigen presentation attenuator, and its inhibition overcomes regulatory T cell-mediated suppression.* Song XT, Kabler KE, Shen L, Rollins L, Huang XF, Chen SY. Nat Med. 2008 Mar;14(3):258-65Rottapel Lab	S. Meyn	15-710
April	4	CANCELLED – due to the Special Genetics & Genome Biology Presentation: *Widespread monoallelic expression in the human genome* **Alexander Gimelbrant, PhD** (faculty candidate) Center for Human Genetic Research, Massachusetts General Hospital and Harvard Medical School, Boston, MA	S. Meyn	4-203

	11	**Winnie Lo** - Andrulis Lab *Elevated tRNA(iMet) synthesis can drive cell proliferation and oncogenic transformation.* Marshall L, Kenneth NS, White RJ. Cell. 2008 Apr 4;133(1):78-89.	S. Meyn	15-710
	18	CANCELLED – due to the Special Genetics & Genome Biology Presentation *Epigenetic noise in genome evolution* **Dr. Nizar Batada** (faculty candidate) Department of Genetics, Harvard Medical School, Boston, MA	S. Meyn	4-203
	25	**CANCELLED** - Osborne Lab		
May	2	CANCELLED – Special Genetics & Genome Biology Presentation *Epigenetic Regulation in Embryonic Stem Cells* **Dr. Barbara Panning** (faculty candidate) Associate Professor Department of Biochemistry & Biophysics, UCSF, San Francisco CA	S. Meyn	4-203
	9	**Apurva Shirodkar** - Marsden Lab *Lamin A-dependent misregulation of adult stem cells associated with accelerated ageing.* Scaffidi P, Misteli T. Nat Cell Biol. 2008 Apr;10(4):452-9. Epub 2008 Mar 2	S. Meyn	15-710
	16	**CANCELLED** -Dick Lab		15-710
	23	CANCELLED - Special Genetics & Genome Biology Presentation – *HP1 and Epigenetic Inheritance* **Dr. Prim Singh** (faculty candidate) Research Center Borstel, GERMANY	S. Meyn	4-203
	30	**Denize Atan** -McInnes Lab *Effect of gene therapy on visual function in Leber's congenital amaurosis.* Bainbridge JW, Smith AJ, Barker SS, Robbie S, Henderson R, Balaggan K, Viswanathan A, Holder GE, Stockman A, Tyler N, Petersen-Jones S, Bhattacharya SS, Thrasher AJ, Fitzke FW, Carter BJ, Rubin GS, Moore AT, Ali RR. N Engl J Med. 2008 May 22;358(21):2231-9. Epub 2008 Apr 27. AND *Safety and efficacy of gene transfer for Leber's congenital amaurosis.* Maguire AM, Simonelli F, Pierce EA, Pugh EN Jr, Mingozzi F, Bennicelli J, Banfi S, Marshall KA, Testa F, Surace EM, Rossi S,	S. Meyn	15-710

		Lyubarsky A, Arruda VR, Konkle B, Stone E, Sun J, Jacobs J, Dell'Osso L, Hertle R, Ma JX, Redmond TM, Zhu X, Hauck B, Zelenaia O, Shindler KS, Maguire MG, Wright JF, Volpe NJ, McDonnell JW, Auricchio A, High KA, Bennett J. N Engl J Med. 2008 May 22;358(21):2240-8. Epub 2008 Apr 27.		
June	6	**CANCELLED** - Siminovitch Lab		15-710
	13	**Jose Ferreira** - Weksberg Lab *Strong association of de novo copy number mutations with sporadic schizophrenia.* Xu B, Roos JL, Levy S, van Rensburg EJ, Gogos JA, Karayiorgou M. Nat Genet. 2008 May 30. [Epub ahead of print] comparing with the following two related papers: *Strong association of de novo copy number mutations with autism.* Sebat J, Lakshmi B, Malhotra D, Troge J, Lese-Martin C, Walsh T, Yamrom B, Yoon S, Krasnitz A, Kendall J, Leotta A, Pai D, Zhang R, Lee YH, Hicks J, Spence SJ, Lee AT, Puura K, Lehtimäki T, Ledbetter D, Gregersen PK, Bregman J, Sutcliffe JS, Jobanputra V, Chung W, Warburton D, King MC, Skuse D, Geschwind DH, Gilliam TC, Ye K, Wigler M. Science. 2007 Apr 20;316(5823):445-9. Epub 2007 Mar 15. AND *Rare structural variants disrupt multiple genes in neurodevelopmental pathways in schizophrenia.* Walsh T, McClellan JM, McCarthy SE, Addington AM, Pierce SB, Cooper GM, Nord AS, Kusenda M, Malhotra D, Bhandari A, Stray SM, Rippey CF, Roccanova P, Makarov V, Lakshmi B, Findling RL, Sikich L, Stromberg T, Merriman B, Gogtay N, Butler P, Eckstrand K, Noory L, Gochman P, Long R, Chen Z, Davis S, Baker C, Eichler EE, Meltzer PS, Nelson SF, Singleton AB, Lee MK, Rapoport JL, King MC, Sebat J. Science. 2008 Apr 25;320(5875):539-43. Epub 2008 Mar 27.	S. Meyn	15-710

	20	**Kaalak Reddy** – Pearson Lab *Single-stranded DNA-binding protein hSSB1 is critical for genomic stability.* Richard DJ, Bolderson E, Cubeddu L, Wadsworth RI, Savage K, Sharma GG, Nicolette ML, Tsvetanov S, McIlwraith MJ, Pandita RK, Takeda S, Hay RT, Gautier J, West SC, Paull TT, Pandita TK, White MF, Khanna KK. Nature. 2008 May 29;453(7195):677-81. Epub 2008 Apr 30	S. Meyn	15-710