

**8th Annual
Research Day for Trainees
in
Clinical & Basic
Medical Sciences**



**March 10, 2006
8:00 AM–4:00 PM**

LECTURE THEATRE ON 2134

CancerCare Manitoba

ORGANIZED BY THE CCMB MEDICAL STAFF ASSOCIATION

ITINERARY

8:00 AM **Opening Remarks—Dr. Matthew Seftel**

Basic Sciences Oral Presentations

- 8:15 AM Functional characteristics of histone H3 kinases:
MSK1 and MSK2 in oncogen-transformed cells
**Bojan Drobic, PhD Candidate, Dept of
Biochemistry and Medical Genetics**
Dr. J. Davie
- 8:30 AM Inhibition of semaphorin signaling by DLX
homeobox genes promotes tangential migration
of interneurons to the neocortex
Trung Le, PhD Student, Cell Biology
Dr. D. Eisenstat
- 8:45 AM Investigation of tilted dose kernels for portal
dose prediction in an a-Si electronic portal
imager
**Krista Chytyk, MSc Student,
Medical Physics**
Dr. B. McCurdy
- 9:00 AM Insulin-like growth factor binding protein-3
(IGFBP-3) attenuates prostate tumor growth by
IGF-dependent and IGF-independent
mechanisms
Josef Silha, Internal Medicine, PGY-2
Dr. Liam Murphy
- 9:15AM The transformation onset of EBV infected
lymphoblastoids to Burkitt's Lymphoma
phenotype
Sherif Louis, PhD Student, Cell Biology
Dr. S. Mai
- 9:30 AM IgA receptor expression by uterine smooth
muscle cells; Implications for pre-term labor
Natalie Björklund, BSc, PhD, Cell Biology
Dr. Janice Richman-Eisenstat

- 9:45 AM Absence of an immediate G1/S checkpoint in primary MEFs following gamma-irradiation
Kendra Cann, PhD Student, Cell Biology
Dr. G. Hicks
- 10:00 AM The feasibility of extracting electron densities from attenuation corrected scatter measurements in breast CT
Jorge Alpuche, MSc Student, Medical Physics
Dr. S. Pistorius
- 10:15 AM Hypoxia induces beclin-1 expression and autophagic cell death in apoptosis-competent cells
Meghan Webb, MSc Student, Biochemistry and Medical Genetics
Dr. S. Gibson
- 10:30 AM **Coffee Break**
- 10:45AM Phosphorylated serine 118 at estrogen receptor alpha targets the receptor to degradation
Gregory Weitsman, PDF Innovative Technologies in Multidisciplinary Health Research Training Program
Dr. Leigh Murphy
- 11:00 AM An iterative approach to 3D electron density imaging using scattered x-rays from a polyenergetic beam in a mammographic setting
Eric Van Uytven, PhD Student, Medical Physics
Dr. S. Pistorius
- 11:15 AM Brevinin-2R semi-selectively kills cancer cells by a distinct mechanism that involves the mitochondrial death pathway
Saeid Ghavami, PhD Fellow, Cell Biology
Dr. S. Pistorius
- 11:30 AM **Viewing of the Poster Presentations**
- to 1:00 PM **Lunch will be available**

Clinical Oral Presentations

- 1:00 PM Radiation parameter effects on cosmetic outcome in breast conserving therapy
Arbind Dubey, PGY-4 Resident, Radiation Oncology
Dr. Steven Latosinsky and Dr. James Butler
- 1:15 PM Systemic therapy (ST) in cancer patients \geq 80 years of age: A Manitoba population-based assessment
Joel Gingerich, Medical Oncology Fellow, PGY-5
Dr. P. Czaykowski
- 1:30 PM Relic or Requisite? The post-mortem in blood and marrow transplantation
Maria Ho, Med 4 Student, Faculty of Medicine
Dr. Matthew Seftel
- 1:45 PM Factors impacting survival of patients with post-surgical disease recurrence in non-small cell lung cancer (NSCLC)
Shantanu Banerji, PGY-4, Section of Medical Oncology/Haematology, Internal Medicine
Dr. Sri. Navaratnam
- 2:00 PM **Coffee Break**
- 2:15 PM Results of the first two years of lymphedema program
experience
Tarek Dufan, PGY—2 Resident, Radiation Oncology
Dr. Andrew Cooke and Dr. Rashmi Koul
- 2:30 PM Cervical Cancer in the Province of Manitoba—A 30 year experience
Abdulrahim Gari, Fellow, Gynecology Oncology
Dr. R. Lotocki
- 2:45 PM Prognosis in oral cancer: Beyond clinical staging
Rashmi Koul, PGY—4, Radiation Oncology
Dr. R. Nason

- 3:00PM The epidemiology of chronic lymphocytic leukemia (CLL)/small lymphocytic lymphoma (SLL) in Manitoba
Versha Banerji, PGY-4, Section of Haematology /Oncology, Department of Internal Medicine
Dr. Matthew Seftel
- 3:15 PM Changes in prostate volume post-permanent seed implantation and its impact on radiation dose distribution
Turki Al-Essawi, Resident, Urology Program
Dr. Amit Chowdhury, Dr. Darrel Drachenberg
- 3:30 PM Risk of malignancy associated with chronic lymphocytic leukemia: A population based Canadian study
Marchall Pitz, PGY –4 Medical Oncology
Dr. Matthew Seftel
- 3:45 PM Timelines for the management of Stage I testicular germ cell cancer: A Canadian multidisciplinary survey
Kamal Mattar, PGY—5, Urology Program
Dr. D. Drachenberg, Dr. Piotr Czaykowski

Dinner Speaker:

Dr. Michael Barnett
BM, FRCPC, FRCP, FRCPath

Department of Medicine
Vancouver General Hospital
Head, Division of Haematology
University of British Columbia



Basic Sciences Poster Presentations

- #1 Three dimensional studies of BRCA1/2-related breast cancers exhibit significant telomere aggregation
Soumya Panigrahi, PhD Student, Cell Biology
Dr. S. Mai
- #2 DLX1 and DLX2 regulation of the neurotrophin receptor Trk-b: A putative mechanism underlying survival of late-born retinal ganglion cells in the developing mouse retina
Jimmy De Melo, PhD Student, Human Anatomy and Cell Science
Dr. D. Eisenstat
- #3 DLX and PAX genes in vertebrate forebrain development
Yongyao Tan, Masters Student Candidate, U of M Cell Biology
Dr. D. Eisenstat
- #4 Transcriptional control by DLX homeobox genes of evolutionarily conserved regulatory elements during vertebrate retina development
Guoyan Du, Postdoctoral Fellow, Cell Biology
Dr. David Eisenstat
- #5 DLX homeobox proteins: Regulation of glucagon promoter
Andrew Ho, MSc Student, Biochemistry and Medical Genetics
Dr. David Eisenstat
- #6 The steroid receptor RNA activator protein (SRAP) possesses an intrinsic transcription repressive activity
Shilpa Chooniedass-Kothari, PhD, Biochemistry and Medical Genetics
Dr. E. Leygue

- #7 The mechanism of histone deacetylase (HDAC) inhibition by various inhibitors
Anoushe Sekhavat, MSc Student, Biochemistry and Medical Genetics
Dr. J. Davie
- #8 The role of EKK1 in the up-regulation of Death Receptor 4
Francisco Mendoza, PhD Student, Cell Biology
Dr. J. Davie
- #9 Activation of Ras-MAPK Pathway in Human Breast Cancer Cells
Paula Espino, PhD Student, Cell Biology
Dr. J. Davie
- #10 Investigating the mechanisms regulating the ratio coding/non-coding steroid receptor RNA activator isoforms in breast cancer cells
Jimin Guo, Graduate Student, Biochemistry
Dr. E. Leygue
- #11 BNIP3 may play a functional role in the nucleus of astrocytes that is altered in primary GBMs
Terralee Burton, PhD Student, Cell Biology
Dr. S. Gibson
- #12 The pro-cell death BCL-2 family member, BNIP3 is mutated in breast tumors and this mutation increases resistance to hypoxia-induced cell death in breast cancer cell lines
Nicolle Bristow, MSc Student, Biochemistry and Medical Genetics
Dr. S. Gibson
- #13 Regulation of Death Receptor 5 (DR5) and histone acetylation in chronic lymphocytic leukemia (CLL)
Bonnie Graham, MSc Student, Biochemistry and Medical Genetics
Dr. S. Gibson

Basic Sciences Poster Presentations con't

- #14 Role of Nur77 and PI3 kinase/akt pathway in tumor selective apoptin induced cell death
Subbareddy Maddika, PhD student, Cell Biology
Dr. M. Los
- #15 Identifying estrogen receptor beta variants in breast tumors by laser capture microdissection (LCM) and denaturing high performance liquid chromatography (dHPLC)
Evelyn Teh, Postdoctoral Fellow, Cell Biology
Dr. Leigh Murphy
- #16 Is Psoriasin/A7 a potential biomarker of an ER β signaling pathway in ER α negative breast cancers?
Georgios Skliris, Postdoctoral Fellow, MHRC Fellowship Holder, MICB
Dr. Leigh Murphy
- #17 Apoptin triggered apoptotic signaling in cancer cells
Evan Booy, MSc Student, Biochemistry and Medical Genetics
Dr. M. Los
- #18 Identification and characterization of BRN3A/B as DLX homeobox gene transcriptional targets in retinal development
Qi Zhang, PhD Student, Human Anatomy/ Cell Science
Dr. D. Eisenstat
- #19 Estrogen dependent phosphorylation of human ER β on Ser87 in ER β over-expressing MCF-7 cells
Wineeta Weebadda, Postdoctoral Fellow, Cell Biology
Dr. Leigh Murphy

Clinical Poster Presentations

- #1 Population based study of treatment outcome in squamous cell carcinoma in retromolar trigone
Rashmi Koul, PGY—4 Resident, Radiation Oncology
Dr. R. Nason
- #2 Adrenal Choriocarcinoma—A case report

- Rashmi Koul, PGY—4 Resident,
Radiation Oncology**
Dr. R. Wong
- #3 Epidemiology of adult acute lymphoblastic leukemia in Manitoba, Canada: Does this approximate clinical trial data?
Vi Dao, PGY—3 Resident, Internal Medicine
Dr. M. Seftel
- #4 Primary pulmonary extranodal non-Hodgkin's lymphoma
**Bashir Bashir, PGY2 Resident,
Radiation Oncology**
Dr. S. Ahmed
- #5 Pegylated interferon-alpha causing aplastic anemia in a patient with Hepatitis C
**Versha Banerji, PGY—4 Resident, Section of
Haematology/Oncology, Internal Medicine**
Dr. Kelly Kaita, Dr. D. Houston
- #6 Cutaneous drug eruptions in breast cancer patients treated with systemic chemotherapy, Anastrozole or Tamoxifen
Adam Weizman, Med 4 Student
Dr. M. Wiseman
- #7 A rare tumour in a fourteen-year-old girl
Corinne Hajer, Med 4 Student
Dr. J. Stoffman
- #8 The clinical significance of positive surgical margin in oral cancer
**Arbind Dubey, PGY—4 Resident,
Radiation Oncology**
Dr. R. Nason
- #9 Maxillary ameloblastic carcinoma—a case report
**Rashmi Koul, PGY—4 Resident,
Radiation Oncology**
Dr. A. Cooke
- #10 Type I Gaucher's Disease with nephrotic syndrome following therapy for light chain myeloma
Winson Cheung, PGY—3, Internal Medicine
Dr. Matthew Seftel, Dr. Keevin Bernstein, Dr. Brent Schacter and Dr. Cheryl Greenberg

With Special Thanks to our Judges

Basic Science Oral Presentation Judges

**Thomas Klonisch, PhD, Professor & Chair
Department of Human Anatomy & Cell Science**

**Jeff Wigle, PhD, Assistant Professor & Chair
Department of Biochemistry & Medical Genetics, SBGH
Research Institute**

**Michael Mowat, Professor
Department of Biochemistry & Medical Genetics, MICB**

**Poul Sorensen, MD, PhD, Associate Professor
Department of Pathology, University of British Columbia**

Basic Sciences Poster Presentation Judges

**Asher Begleiter, PhD, Professor
Departments of Internal Medicine, Pharmacology &
Experimental Therapeutics, and MICB**

**Nasri Meaeli, PhD, Associate Professor
Department of Biochemistry & Medical Genetics, and
SBGH Research Institute**

**Don Miller, PhD, Associate Professor
Department of Pharmacology & Experimental
Therapeutics**

Clinical Oral Presentation Judges

**Dr. Andrew Cooke, Acting Head, Radiation Oncologist
Dr. Richard J. Walton Department of Radiation
Oncology**

**Dr. Christopher Bredeson, Director
Manitoba Blood & Marrow Transplant Program**

**Dr. Michael Barnett, BM, FRCPC, FRCP, FRCPath
Department of Medicine, Vancouver General Hospital
Head, Division of Hematology, University of British
Columbia**

1st Prize \$750.00 for each category (Oral and Poster Presentation)

2nd Prize \$500.00 for each category (Oral and Poster Presentation)

1 Prize of \$250.00 for Case Report Presentation

Clinical Poster Presentation Judges

**Dr. Sri Navaratnam, Medical Oncologist
Department of Medical Oncology & Haematology**

**Dr. Piotr Czaykowski, Medical Oncologist
Department of Medical Oncology & Haematology**

**Dr. Don Houston, Haematologist
Department of Medical Oncology & Haematology**

Organized by:

CCMB Medical Staff Association

Research Sub-Committee Chair	Dr. M. Seftel
Committee Member	Dr. D. Eisenstat
Committee Member	Dr. A. Maksymiuk
Committee Member	Dr. S. Latosinsky
Committee Member	Dr. J. Davie

Administrative Support Ms. Donna Reid

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