

Final Program
University of Toronto
Heart & Stroke/Richard Lewar Centre of Excellence
Cardiovascular Scientific Day, May 23, 2003

This year's Annual Cardiovascular Scientific Day will take place from 8:30 am to 5:00 pm, on May 23, 2003, at the Inn on the Park (Eglinton and Leslie). Detailed below is a description of the event, call for posters and final program. Registration is accepted, on-line at (<http://www.hsrlce.on.ca/Admin/registration2003.asp>).

This year's Theme: *Multidisciplinary Health Research*

General Information

Objectives

The Annual Cardiovascular Scientific Day is organized to bring together faculty, fellows and students from across the University of Toronto and the affiliated hospitals. The aim is to provide an update on the latest work in cardiovascular research done locally, with a few international highlights. By attending this year's event, participants should have had the opportunity to catch up with colleagues, been introduced to new faculty in the community, listened to presentations from all the research themes, and generated new ideas and perspectives for application to their research programs and clinical practices.

Registration

In lieu of a registration fee, donations are being requested to promote cardiovascular education. Tax receipts will be issued upon request. Cheques should be made payable to the University of Toronto. Registration is accepted on-line, at <http://www.hsrlce.on.ca/Admin/registration2003.asp>.

Isadore Edward Smith Lectureship

Isadore Edward Smith was born in Toronto and attended Upper Canada College and U.T.S. He was President and CEO of Samuel Smith & Son Limited. He was a warm, caring and exceptionally public spirited individual who contributed generously to many community, service and charitable organizations. This Annual Lectureship honours his memory.

A.E. Diamond Lectureship

Allen Ephraim Diamond is the co-founder of Cadillac Development Corp., has been the recipient of numerous humanitarian awards, and received the Order of Canada in 1994. This lectureship recognizes his generosity and commitment to medicine at the University of Toronto.

Lunch

This complementary meal provides an opportunity for informal discussion. Registration is required.

- 2 -
Final Program
University of Toronto
Heart & Stroke/Richard Lewar Centre of Excellence
Cardiovascular Scientific Day, May 23, 2003

Call for Poster Presentations

All students, fellows and faculty are invited to participate in the annual poster presentations at Scientific Day. Posters should be put up before the 8:30 welcoming remarks of the Plenary Session, and will be on display throughout the day. Poster viewing is scheduled at morning coffee break. Judging will take place during the afternoon poster session. Presenters are requested to be in the vicinity of their posters at these times, and should be prepared to give a five minute presentation in the afternoon session if called upon. Only one poster per primary author is allowed.

Please indicate your interest in presenting a poster on the general registration form, and submit by April 30, 2003. An abstract should also be submitted, which will be reproduced in the abstract book distributed to all meeting attendants. Underline the PI's name in the list of authors on the abstract. The abstract should be submitted on single sheet of paper (8.5 x 11"), twelve point type, with a one inch margin around all sides, to Stacey Cooper, at stacey.cooper@utoronto.ca, or by FAX to 416 946 8380. The deadline for receipt of abstracts is May 2, 2003.

This year, the posters will be divided into five categories:

1. Graduate Students - Basic Science Projects
2. Graduate Students - Clinical Science Projects
3. Post-doctoral Trainees - Basic Science Projects
4. Post-doctoral Trainees - Clinical Science Projects
5. Faculty members

Note that Post-doctoral trainees are those who are post PhD or those post MD involved in a clinical residency or fellowship. Graduate students include those enrolled in an MSc or PhD program, regardless of previous degree status (i.e. MD or BSc).

Awards will be given for the best presentation in each of categories 1 to 4. These awards will be made at approximately 4:25 pm, after the New Kids on the Block Session.

Please note on the registration form the category in which your poster should be grouped.

- 3 -
Final Program
University of Toronto
Heart & Stroke/Richard Lewar Centre of Excellence
Cardiovascular Scientific Day, May 23, 2003

Preliminary Program

7:30 am to 8:30 am

Registration, poster set up and continental breakfast

8:30 am to 8:40 am

-Welcoming remarks-

Dr. Mansoor Husain, Dr. Lee Adamson, program co-chair, and Dr. Peter Liu

8:40 am to 10:15 am

- CV Outcomes Plenary - Centennial Ballroom A/B

Dr. Peter Liu, Chair

8:40 am to 9:30 am

Isadore Edward Smith Lectureship

'Cardiovascular Outcomes: Past, Present, Future'

Dean David Naylor,

Faculty of Medicine, University of Toronto

9:30 am to 9:50 am

'Sociodemographic factors in health services research - the simplest yet most pronounced markers of outcomes'

Dr. David Alter

9:50 am to 10:10 am

Predictors of Mortality in Heart Failure Patients

Dr. Douglas Lee

10:15 am to 10:45 am

- Coffee and Poster Viewing - Centennial Ballroom Foyer

Dr. Tom Parker, Chair

10:45 am to 12:15 am

- Breakout Sessions-

I. Transgenic Physiology - Leaside Room

Dr. Benoit Bruneau, Dr. Mansoor Husain, Chairs

10:45 am to 11:10 am

Transcription Factors in Heart Development and Congenital Heart Defects

Dr. Benoit Bruneau

11:10 am to 11:35 am

In vivo screens for cardiovascular function in mice

Dr. Lee Adamson

Final Program
University of Toronto
Heart & Stroke/Richard Lewar Centre of Excellence
Cardiovascular Scientific Day, May 23, 2003

11:35 am to 12:15 pm

Using Transgenic and Gene Targeting Strategies to Study Cardiomyopathies

*Dr. Ferhaan Ahmad,
Research Fellow, Harvard Medical School*

II. Regenerative Medicine: Gene, Cell or Matrix - Centennial Ballroom A/B

Dr. Ren-Ke Li, Dr. Duncan Stewart, Chairs

10:45 am to 11:05 am

Gene Therapy - "State of the Heart"

Dr. Duncan Stewart

11:05 am to 11:25 am

Genetic Analysis of the Talented Mesenchymal Stem Cell

Dr. Bill Stanford

11:25 am to 11:45 am

Self-assembling Materials Based on Human Elastin

Dr. Fred Keeley

11:45 am to 12:05 pm

Collagenase Plaque Digestion for Facilitating Guide-wire Crossing in Chronic Total Arterial Occlusions

Dr. Bradley Strauss

12:05 pm to 12:25 pm

Matrix Remodeling in the Failing Heart : New Therapeutic Targets

*Dr. Paul Fedak,
2003 CSCP Bigelow Prize Recipient*

III. Clinical Genomics and Proteomics - Trillium Room

Dr. Alexander Logan, Dr. Peter Liu, Chairs

10:45 am to 11:05 am

Making Sense of Microarray data - statistical approach to data reduction and analysis

Dr. Celia Greenwood

11:05 am to 11:25 am

The heart is a genetically different organ in the day as compared to the night.

Dr. Michael Sole

Final Program
University of Toronto
Heart & Stroke/Richard Lewar Centre of Excellence
Cardiovascular Scientific Day, May 23, 2003

11:25 am to 11:45 am

Remote Ischemic Preconditioning Modifies Inflammatory Gene Expression in Humans: A Microarray Study

Dr. Igor Konstantinov

11:45 am to 12:05 pm

Integrating microarray analysis in clinical epidemiological studies of idiopathic nephrotic syndrome.

Dr. York Pei

12:15 pm to 1:15 pm - Lunch - Centennial Ballroom D

1:15 pm to 2:15 pm - Poster Viewing and Judging -
Dr. Tom Parker, Chair

2:15 pm to 2:30 pm - Coffee and Poster Viewing-

2:30 pm to 3:15 pm - A.E. Diamond Lecture - Centennial Ballroom A/B
Dr. Lee Adamson, Chair

Novel Mechanisms of β Adrenergic Receptor Signaling in Heart Failure

*Dr. Howard Rockman,
Professor of Medicine, Duke University*

3:15 pm to 4:15 pm - New Kids on the Block- Centennial Ballroom A/B
Dr. Michelle Bendeck, Chair

3:15 pm to 3:35 pm

Please Mind the Gap: Hypertension and Prolonged Vasoconstrictor Signaling in RGS2-Deficient Mice

Dr. Scott Heximer

3:35 pm to 3:55 pm

Sex Hormones and Exercise

Dr. Paula Harvey

3:55 pm to 4:15 pm

Myocardial Contrast Echocardiography: Novel Applications for Therapeutic Angiogenesis

Dr. Howard Leong-Poi

4:15 pm to 5 pm - Awards followed by Reception - Centennial Ballroom A/B
Dr. Tom Parker, Dr. Peter Liu, Chairs

- 6 -

Final Program
University of Toronto
Heart & Stroke/Richard Lewar Centre of Excellence
Cardiovascular Scientific Day, May 23, 2003

Awarding of the Cardiovascular Sciences Collaborative Program 2003 Bigelow Book Prize – presented by: Dr. Carin Wittnich.

Presentations will be made to the winner of each poster category. Following these awards, all are invited to the closing reception.

- 7 -
Final Program
University of Toronto
Heart & Stroke/Richard Lewar Centre of Excellence
Cardiovascular Scientific Day, May 23, 2003

Isadore Edward Smith Lecturer

David Naylor, MD
Dean, Faculty of Medicine
Vice Provost, Relations with Health Care Institutions
University of Toronto
Toronto, Ontario

A.E. Diamond Lecturer

Howard Rockman, MD
Professor, Department of Medicine - Cardiology
Department of Cell Biology and Genetics
Duke University Medical Centre
Durham, North Carolina

Program Faculty

Dr. Ferhaan Ahmad, Research Fellow, Dept of Genetics, Harvard
Dr. Lee Adamson, Professor, Obstetrics & Gynecology
Dr. David Alter, Assistant Professor, Dept of Medicine
Dr. Michelle Bendeck, Associate Professor, Lab Med and Pathobiology
Dr. Benoit Bruneau, Assistant Professor, Molecular and Medical Genetics
Dr. Paul Fedak, Research Fellow, Division of Cardiac Surgery
Dr. Celia Greenwood, Epidemiologist, Genetics and Genomic Biology, HSC
Dr. Paula Harvey, Post-doctoral fellow, Clinical Investigator and Human Physiology
Dr. Scott Heximer, Assistant Professor, Physiology and HSRLCE
Dr. Mansoor Husain, Assistant Professor, Dept of Medicine, CIHR Clinician Scientist
Dr. Fred Keeley, Prof, Dept of Biochemistry and Dept of Laboratory Medicine and Pathobiology
Dr. Igor Konstantinov, Fellow, Division of Cardiac Surgery
Dr. Ren-Ke Li, Professor, Dept of Surgery
Dr. Douglas Lee, Research Fellow, ICES
Dr. Howard Leong-Poi, Assistant Professor, Medicine
Dr. Peter Liu, Professor, Medicine
Dr. Alexander Logan, Professor, Medicine
Dr. Tom Parker, Associate Professor, Medicine
Dr. York Pei, Associate Professor, Medicine
Dr. Michael Sole, Professor, Medicine and Physiology
Dr. Bill Stanford, Assistant Professor, Inst. Biomaterial & Biomedical Engineering
Dr. Duncan Stewart, Professor, Medicine & Director, Division of Cardiology
Dr. Bradley Strauss, Associate Professor, Inst. Biomaterial & Biomedical Engineering

Please Note: All Speakers are requested to disclose any conflicts of interests at the beginning of their talk.

- 8 -
Final Program
University of Toronto
Heart & Stroke/Richard Lewar Centre of Excellence
Cardiovascular Scientific Day, May 23, 2003

Major Sponsors

AstraZeneca *Aventis* *Bristol-Myers Squibb & Sanofi Synthelabo*
Merck Frosst Canada *Novartis Pharmaceuticals Canada Inc.*
Pfizer Canada *Roche Canada***

Acknowledgements

We gratefully acknowledge the generous financial support of our sponsors. Our Scientific Day would not be possible without their assistance. We would also like to recognize the efforts of the Program Planning Committee.