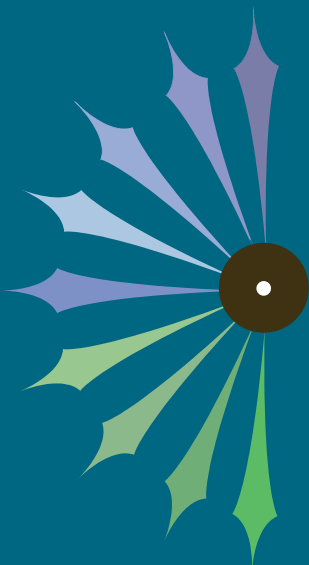


The University of Toronto

Department of Ophthalmology & Vision Sciences presents:



Next Generation Eye Surgery, Device & Drug Delivery Symposium

Saturday, October 17, 2009

The Sutton Place Hotel
955 Bay Street
Toronto, Ontario, Canada



Register online now at:
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Continuing Education and
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FACULTY OF MEDICINE, UNIVERSITY OF TORONTO

Next Generation Eye Surgery, Device & Drug Delivery Symposium

University of Toronto Faculty

Scientific Program Director & Chair Neeru Gupta, MD, PhD

Professor
Ophthalmology and Vision Sciences
Laboratory Medicine and Pathobiology
University of Toronto
Director, Glaucoma & Nerve Protection Unit
Keenan Research Centre at the
Li Ka Shing Knowledge Institute of
St. Michael's Hospital

Alan Berger, MD

Assistant Professor
Chief of Ophthalmology
President of the Medical Staff Association
St. Michael's Hospital

Robert G. Devenyi, MD, MBA

Director of Retinal Services
Ophthalmologist-in-Chief
University Health Network
Toronto Western Hospital

Peter J. Kertes, MD CM

Associate Professor
Ophthalmology and Vision Sciences
University of Toronto
Sunnybrook Health Sciences Centre

Wai-Ching Lam, MD

Associate Professor
Ophthalmology and Vision Sciences
Residency Program Director and
CME Director, Toronto Western Hospital

Peter N. Lewis, PhD

Vice Dean
Research and International Relations
Professor of Biochemistry
University of Toronto

Martin Steinbach, PhD

Professor and Vice Chair Research
Director, Vision Science Research Program
Ophthalmology and Vision Sciences
Toronto Western Hospital
Distinguished Professor, York University

Graham Trope, MB, PhD

Professor
Ophthalmology and Vision Sciences
Director, Glaucoma Unit
Toronto Western Hospital

Derek van der Kooy, PhD

Professor of Molecular Genetics
Department of Medical Biophysics
University of Toronto

Yeni Yücel, MD, PhD

Professor
Director, Ophthalmic Pathology
Ophthalmology and Vision Sciences
Laboratory Medicine and Pathobiology
Keenan Research Centre at the
Li Ka Shing Knowledge Institute of
St. Michael's Hospital

Symposium Description

Ophthalmologists will learn about cutting-edge surgical developments for the treatment of optic nerve and retinal diseases. They will gain an understanding of stem cells, nano- and biotechnology applications to treat diseases such as glaucoma and retinal degenerations. The status of current and emerging clinical trials and novel eye delivery systems will be presented. Participants will become familiar with evolving surgical devices including intra-operative imaging, robotics, and theragnostics expected to revolutionize the management of blinding eye disease.

Accreditation

The Office of Continuing Education and Professional Development, Faculty of Medicine, University of Toronto is an accredited provider for the Royal College of Physicians and Surgeons of Canada and the American Medical Association.

Disclosure

Speakers will be requested to disclose to the audience any real or apparent conflict of interest that may have a direct bearing on the subject matter of this program.

Guest Faculty

Research for Sight Keynote Speaker

M. Gazi Yaşargil, MD

"Neurosurgeon of the Century" 1999
Professor of Neurosurgery
College of Medicine
University of Arkansas for Medical Sciences
Little Rock, AR, USA
Professor and Chairman Emeritus
University of Zurich, Switzerland

Alan Cruess, MD

Professor and Chair
Ophthalmology and Visual Sciences
Dalhousie University
District Chief, Capital Health
Halifax, NS, Canada

Howard F. Fine, MD, MHSc

Helen and Martin Kimmel
Assistant Professor of
Clinical Ophthalmology
Department of Ophthalmology
Harkness Eye Institute
Columbia University
New York, NY, USA

Marianna Foldvari, DPharmSci, PhD

Canada Research Chair in
Bionanotechnology and Nanomedicine
Professor of Pharmaceutical Sciences
School of Pharmacy
University of Waterloo
Kitchener, ON, Canada

Philip L. Hooper, MD

Professor & Past Chair of Ophthalmology
Ivey Eye Institute
University of Western Ontario
London Health Sciences Centre
London, ON, Canada

Jost B. Jonas, MD

Professor and Chair of Ophthalmology
Faculty of Clinical Medicine Mannheim
of the Ruprecht - Karls-University Heidelberg
Mannheim, Germany

Peng T. Khaw, MD, PhD, FRCP, FRCS, FRCOphth, FRCPath, FI Biol, FMedSci

Director, National Institute for Health
Research Biomedical Research Centre
Professor, Moorfields Eye Hospital
and UCL Institute of Ophthalmology
London, England, UK

Theodore Krupin, MD

Professor of Ophthalmology
Feinberg School of Medicine
Northwestern University
Chicago, IL, USA

James F. Leary, PhD

SVM Professor of Nanomedicine
Professor of Basic Medical Sciences
& Biomedical Engineering
Birck Nanotechnology Center
Purdue University
West Lafayette, IN, USA

Ian MacDonald, MD CM

Professor and Chair of Ophthalmology
Regional Program Clinical Director
Royal Alexandra Hospital
University of Alberta
Edmonton, AB, Canada

Clive S. Migdal, MD, FRCS, FRCOphth

Consultant Ophthalmologist
Western Eye Hospital
Senior Lecturer, Imperial College
London, England, UK

Carmen A. Puliafito, MD, MBA

Dean, Keck School of Medicine
University of Southern California
Professor of Ophthalmology
and Health Management
May S. and John Hoovall Dean's
Chair in Medicine
Los Angeles, CA, USA

Robert N. Weinreb, MD

Distinguished Professor of Ophthalmology
Director, Hamilton Glaucoma Center
University of California-San Diego
La Jolla, CA, USA

Marco A. Zarbin, MD, PhD

Alfonse Cinotti MD/Lions
Eye Research Professor and Chair
Ophthalmology & Visual Science
New Jersey Medical School
University of Medicine & Dentistry
of New Jersey
Newark, NJ, USA

Program Committee

Neeru Gupta, MD, PhD Scientific Program Director

Wai-Ching Lam, MD

Martin Steinbach, PhD

Robert N. Weinreb, MD

Yeni Yücel, MD, PhD

The Program

Each presentation will include 10 minutes for questions from the audience.

- 7:00 Registration & Hot Breakfast
- 8:15 Welcome*Neeru Gupta, MD, PhD*
Program Chair
- 8:16 Opening Address*Peter N. Lewis, PhD*
Vice Dean Research & International Affairs
Faculty of Medicine, University of Toronto
- 8:20 Introduction of Keynote Speaker*Martin Steinbach, PhD*
Director
Vision Science Research Program
University of Toronto

4th Research for Sight Keynote Lecture

- "Neurosurgery of the Eye:
Lessons from Neurosurgery"*M. Gazi Yaşargil, MD*
"Neurosurgeon of the Century" 1999

Repair and Replacement of Diseased Retina & Optic Nerve

Moderators: Drs. Philip L. Hooper, Theodore Krupin **Chair:** Dr. Neeru Gupta

- 9:20 Transplanting Retina & Optic Nerve Tissue in Disease ...*Jost B. Jonas, MD*
- 9:40 Stem Cells: What are They, Where do They
come From, and What's the Big Deal?*Derek van der Kooy, PhD*
- 10:00 Panel Discussion*Drs. Jonas, Lam, van der Kooy, Weinreb, Yaşargil*
- 10:20 Break
- 10:40 Engineered Stem Cells for Eye Disease:
Current Clinical Trials*Ian MacDonald, MD CM*
- 11:00 Job Description of Stem Cells for Retinal
and Optic Nerve Disease*Robert N. Weinreb, MD*
- 11:20 Science Successes: Seeing is Believing*Peng T. Khaw, MD, PhD*
- 11:40 Panel Discussion*Drs. Khaw, Lam, MacDonald, Weinreb*
- 1200 Lunch

Nano-Surgery for Eye Disease

Moderators: Drs. Alan Berger, Alan Cruess

- 1:00 Nanotechnology:
What is It? Why is Small so Big?*James F. Leary, PhD*
- 1:20 Delivering an Army of Small and Large
Molecules to do the Job*Marianna Foldvari, DPharmSci, PhD*
- 1:40 Manipulation at the Nanoscale to Treat
Blinding Disease*Marco A. Zarbin, MD, PhD*
- 2:00 Panel Discussion*Drs. Foldvari, Kertes, Leary, Yücel, Zarbin*
- 2:20 Break

Next Generation Surgical Tools

Moderators: Drs. Robert G. Devenyi, Robert N. Weinreb

- 2:40 The Alphabet Soup of New Glaucoma Surgeries*Clive S. Migdal, MD*
- 3:00 Robotic-Assisted Surgery of the Eye*Howard F. Fine, MD, MHSc*
- 3:20 Intra-operative Imaging
and Navigation*Carmen A. Puliafito, MD, MBA*
- 3:40 Remote Control Machines:
Simultaneous Diagnosis and Therapeutics*James F. Leary, PhD*
- 4:00 Panel Discussion ...*Drs. Cruess, Fine, Jonas, Leary, Migdal, Puliafito, Trope*
- 4:30 A Vision for the Future*Neeru Gupta, MD, PhD*
Evaluation and Adjourn
- 4:45 Reception for Faculty and Attendees

General Information

Fees

	on or before Sept. 9th	after Sept. 9th
Physicians	\$175 CAD	\$225 CAD
Non UofT Postgraduate Residents & Fellows	\$50 CAD	\$75 CAD

Residents and Fellows, please note: A letter of verification from the program director must accompany the application of those wishing to qualify for the reduced rate.

Registration fee includes:

Continental breakfast, refreshments, lunch and reception.

Registration

Please see Symposium Registration Form for payment option details and registration instructions. Enrolment is limited. Do not make travel arrangements until registration confirmation is received.

Receipts of payment: **are issued by email only.**

Cancellation

Refunds will not be issued for cancellations received after **October 9, 2009.**

A processing fee of \$40 will be retained on all cancellations. Requests for cancellation must be made in writing. Registrations are not transferable.

The University of Toronto reserves the right to cancel events. Registrants will be notified at the earliest possible date in the event of a cancellation. Tuition fees for events cancelled by the University will be refunded; however the University will not be liable for any loss, damages or other expenses that such cancellations may cause.

Accommodation

A limited block of Deluxe King rooms is being held at The Sutton Place Hotel, 955 Bay Street - \$220 CAD (plus taxes) single/double. Please direct your room requirements to the hotel reservations department stating "Next Generation Eye Surgery, Device and Drug Delivery Symposium." Rooms at the conference rate are available until the bedroom block fills or September 23, 2009, whichever occurs first. **Hotel rooms in Toronto are at a premium; please book early to avoid disappointment.**

Phone: 416.924.9221 / Toll-free: 1.866.378.8866

Online reservations may be made at www.suttonplace.com. Please reference the "Next Generation Eye Surgery, Device and Drug Delivery Symposium" to be assured of receiving the conference rate.

Wireless High Speed Internet Service Available.

For Information

Office of Continuing Education and Professional Development
Faculty of Medicine, University of Toronto
500 University Avenue, Suite 650, Toronto, ON M5G 1V7
Tel: 416.978.2719 / 1.888.512.8173 / Fax: 416.946.7028
Email: info-OPT0906@cmeterontoronto.ca

Registration Form

Next Generation Eye Surgery, Device and Drug Delivery

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