



Courtesy of Wei Shen

VSRSS ORGANIZING COMMITTEE

Vivian Choh – PhD

Trefford Simpson – DipOptom, PhD

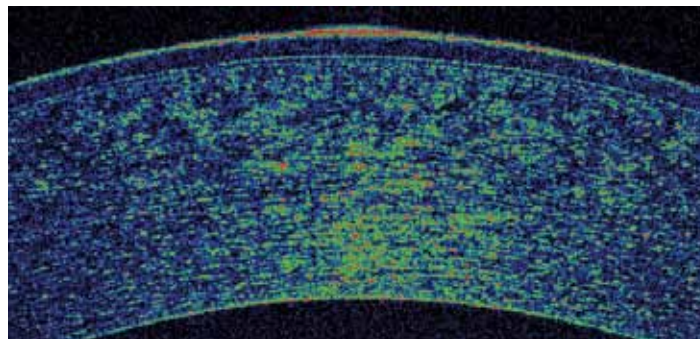
Thomas Freddo – OD, PhD, FAO
Director, School of Optometry

Krithika Nandakumar – BSOpt,
PhD Candidate, Graduate Student Representative

CONTACT

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Courtesy of Natalie Hutchings & Kostadinka Bizheva

DIRECTIONS TO THE SCHOOL OF OPTOMETRY 200 COLUMBIA STREET WEST

From east or west – follow highway 401 to exit 278,
highway 8 West.

From Buffalo and Niagara Falls –

- follow Queen Elizabeth Way in the “Toronto” direction to highway 403 West (one hour).
- follow 403 West to 6 North to 401 West to exit 278 (45 minutes); proceed as below
- Follow 8 West to 7 East, (an expressway called the Conestoga Parkway). Be sure to take the exit for 7 East, not 7 West.
- Continue on 7 East (keep left) as it becomes 85 North (formerly 86).
- Exit at University Avenue West and drive about 2 miles (3 km).
- Turn right (north) on to Phillip St.
- Turn left (west) on to 200 Columbia St. W., building on right hand side just past railway tracks.

PARKING

Parking is available in Parking Lot “O” beside the Optometry Building and Parking Lot “X” behind the Optometry Building for \$3.

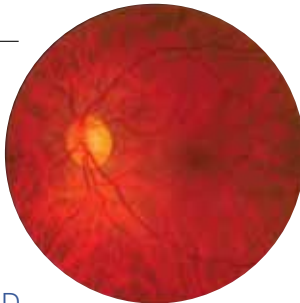


2009-2010 VISION SCIENCE RESEARCH SEMINAR SERIES

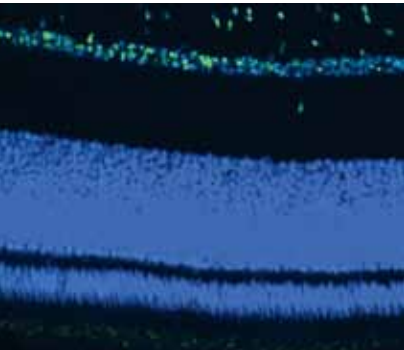
VISION SCIENCE RESEARCH SEMINAR SERIES 2009-2010

Please plan to attend an exciting series of Vision Science Research Seminars presented in the School of Optometry at the University of Waterloo. We have invited a list of speakers with international reputations. The seminar topics will range from basic vision science to clinical trials. Seminars are planned for Friday afternoons at 3:30pm, with a reception following the talk to stimulate social interaction between the speaker, faculty, students and our guests. The Vision Science research program is very active with over 20 Faculty and over 45 graduate students
www.optometry.uwaterloo.ca

THE SCHOOL HAS JUST OPENED A NEW WING (PICTURED ON COVER) WITH A STATE-OF-THE-ART LEARNING RESOURCE CENTRE AND LECTURE THEATRE.



Courtesy of Chris Hudson



Courtesy of Stacey Chong

THE VISION SCIENCE GRADUATE PROGRAM HAS BEEN IN OPERATION FOR OVER 25 YEARS.

LECTURES 3:30PM – OPTOMETRY BUILDING ROOM 1129

LECTURERS

FRIDAY SEPTEMBER 25, 2009

PROGNOSTIC FACTORS IN KERATOCONUS

Dr. Karla Zadnik – OD, PhD, Glenn A. Fry Professor in Optometry and Physiological Optics, Associate Dean



The Ohio State University College of Optometry, Columbus, Ohio
keratoconus, cornea, contact lenses, rigid contact lenses, corneal scarring

FRIDAY OCTOBER 30, 2009

WHAT CAN WE LEARN FROM CLINICAL CONFOCAL MICROSCOPY OF THE CORNEA?

Dr. Jay McLaren – PhD, Associate Professor of Ophthalmology



Department of Ophthalmology, Mayo Clinic
confocal microscopy, corneal stroma, keratocytes, keratocyte density, sub-basal nerve fibers, scattered light, image processing

FRIDAY NOVEMBER 27, 2009

WHEN NORMAL AND ABNORMAL VISUAL INPUT ARE PITTED AGAINST EACH OTHER EACH DAY: A FRESH LOOK AT THE ROLE OF EARLY VISUAL EXPERIENCE IN THE DEVELOPMENT OF VISION

Dr. Don Mitchell – PhD, Professor Emeritus



Psychology Department, Dalhousie University
amblyopia, stereopsis, visual development, cats, visual acuity, visual deprivation, visual cortex

FRIDAY JANUARY 29, 2010

CODING COLOUR IN THE HUMAN BRAIN: AN FMRI PERSPECTIVE

Dr. Kathy Mullen – PhD, Professor



McGill Vision Research, Department of Ophthalmology, McGill University
behavioural neuroscience, human vision, colour vision, psychophysics, fMRI, isoluminance, cones, cone opponency

FRIDAY FEBRUARY 26, 2010

SCREENING FOR GLAUCOMA: EXPERIENCES FROM THE ST. KITTS EYE STUDY

Dr. Paul Artes – PhD, MCOptom, Associate Professor & Foundation Scholar in Glaucoma



Ophthalmology and Visual Sciences, Dalhousie University
vision, glaucoma, clinical visual psychophysics, screening

FRIDAY MARCH 26, 2010

WAVEFRONT SENSING AND RETINAL IMAGING IN THE RAT EYE

Dr. Luis Diaz-Santana – PhD, Senior Lecturer



Applied Vision Research Centre, Department of Optometry and Visual Science, City University
visual optics, adaptive optics, retinal imaging, wavefront sensing, instrumentation

ADJOURN – 4:30PM

All are welcome to join us for a **Reception** outside the Witer Learning Resource Centre, 2nd Floor, immediately following the lecture



Lund Vision Group, Department of Biology, Lund University
eye evolution, vision, lens, image, photoreceptor, photopigment

VISION SCIENCE KEYNOTE SPEAKER

10TH ANNUAL GRADUATE STUDENT RESEARCH CONFERENCE

TUESDAY APRIL 27, 2010 – ROOM DC 1351

THE EVOLUTION OF THE EYE

Dr. Dan-E. Nilsson – PhD, Chair in Zoology