

# Table of Contents

<b>Executive Summary</b>	<b>2</b>		
<b>Operations &amp; Administration</b>	<b>6</b>		
Financial Information	7		
Space and Facilities	10		
Human Resources	12		
Alumni Relations and Development	16		
Communications and Marketing	20		
Media Relations	22		
Information Services	24		
Teaching and Technology Services	25		
<b>Education</b>	<b>27</b>		
Doctor of Medicine Program	29		
Windsor Program	32-33		
Doctor of Dental Surgery Program	36		
Bachelor of Medical Sciences Program	42		
Postgraduate Medical Education	45		
Southwestern Ontario Medical Education Network (SWOMEN)	48		
Graduate Studies	50		
Combined Degree Programs	52		
Other Programs	54		
Office of Interprofessional Health Education and Research	55		
		Centre for Education Research and Innovation	58
		Continuing Professional Development	61
		Continuing Dental Education	63
		Clinical Skills Learning Program Evaluation	64 65
		<b>Financial Accessibility</b>	<b>66</b>
		<b>Research</b>	<b>70</b>
		2009 Highlights	71
		Canada Research Chairs	72
		Publications	74
		Research Funding	77
		Robarts Research Institute	79
		<b>Awards</b>	<b>81</b>
		<b>Internationalization</b>	<b>86</b>
		Office of Global Health	87
		Research and Education Collaboration – West China School of Medicine	90
		Student-Led Initiatives	91
		<b>Social Responsibility</b>	<b>94</b>
		MedQUEST	95
		Community Outreach Programs	96
		Student-Led Initiatives	97
		Future Priorities	100

# Executive Summary

I am very proud of the successes and achievements of our students, faculty and staff during the past year and over the past 11 years that I have served as Dean. While last year's Dean's Report was a review of the past decade, this year's report focuses exclusively on our most recent successes. These are impressive, especially in light of significant challenges faced by the School during this period. Fall 2008 marked the beginning of the current economic downturn, resulting in significant budgetary pressures for the University. Despite these pressures, Schulich Medicine & Dentistry has continued its growth and remained steadfast in living the vision for the School as a centre of excellence for both research and education that is instrumental in shaping the future of health care.

## Key Successes 2009:

- Expansion of the medical school class size by 24 spaces over two years
- Completion of the first year of the Windsor Program and entry of the second class
- Continuing growth in graduate student enrolment (5%)
- Implementation of Year 1 of renewed dental curriculum based on multidisciplinary learning
- Achieved full accreditation for the undergraduate medical program for the remainder of the eight-year term, with the next site visit taking place in 2015-16.
- Rate of success for research grant applications from Schulich Medicine & Dentistry continues to be higher than the national average, despite a very difficult environment for research funding
- Creation of two new centres dedicated to improving the student experience inside and outside the curriculum: Office of Global Health and Centre for Education Research and Innovation
- Further development of the Neuroscience Interdisciplinary Initiative, including a Canada Excellence Research Chair (CERC) application which has been shortlisted as one of two finalists from Western

# Executive Summary

Annual reports from our departments further celebrate the achievements of our extraordinary faculty and students. I also acknowledge the significance of the external review of the School in 2009 coordinated through the Office of the Provost as required in the selection process for Dean. This review, along with the data prepared for the review, will provide an excellent guide for our new leadership to take the School to even greater heights in the coming years.

## Challenges Ahead:

There are a number of critical issues the School must address to ensure its continued success. These include space and resources to adequately support our research and education mission; building on the relationships among students, faculty, staff and health care providers in London, Windsor and the Southwestern Ontario region; Improving communication and engagement with clinical faculty; and support for clinical research.

I believe we also have a responsibility to address the “bigger picture” issues including health care systems in turmoil in Canada and abroad; global health issues such as poverty, HIV/AIDS, food and water safety, climate change; ensuring equity and diversity across gender, ethnicity and socioeconomic divides; building knowledge through research that makes an impact to health care, health policy, prevention or treatment; and preparing leaders for the future who are articulate advocates for science, health and social justice. By focusing on the above, Schulich Medicine & Dentistry can continue to achieve greatness.

It has been a privilege to lead the Schulich School of Medicine & Dentistry as Dean since 1999.

Sincerely,



Dr. Carol P. Herbert

# Vision, Mission & Values

## Vision

**Shaping the Future of Health Care**

## Mission

**The Schulich School of Medicine & Dentistry provides outstanding education within a research-intensive environment where tomorrow's physicians, dentists and health researchers learn to be socially responsible leaders in the advancement of human health.**

## Values

**As leaders who are committed to exceptional results, we embrace the following core values:**

- **Commitment to innovation, knowledge creation and scientific excellence**
- **Student-centred curricula which foster academic leadership, critical inquiry and a passion for lifelong learning**
- **Compassionate, patient-centred care**
- **Collaboration, interdisciplinarity and outreach**
- **Respect for diversity in culture and perspectives**
- **Accountability to our community of scholars and to the public**

# Schulich Medicine & Dentistry Overview

## Enrolment 2008/09

- 591 Medical students
- 224 Dentistry students
- 652 students in the Bachelor of Medical Sciences program (Years 3 and 4)
- 27 in Internationally Trained Dentists program
- 742 Postgraduate Medical trainees (residents)
- 16 in specialized postgraduate Dental programs
- 502 graduate students working towards Masters or PhD degrees

## Research

- approximately \$135 million in research funding annually
- 22 Canada Research Chairs
- seven identified areas of medical and dental research excellence:  
*Biomedical Imaging; Cancer; Cardiovascular, Respiratory Health, and Metabolic Diseases; Maternal, Fetal, Child and Family Health; Infection and Immunity; Musculoskeletal Health; Neuroscience and Mental Health*
- seven additional emerging areas of research strength:  
*Aging and Geriatric Medicine; Clinical Pharmacology and Personalized Medicine; Environment and Health; Genomics, Proteomics and Bioinformatics; Health Services, Delivery and Policy; Innovative Surgical Therapies; and Population Health*

For the full Health Research Plan see: [www.schulich.uwo.ca/Research/Documents/Health\\_Research\\_Plan\\_2008-2012\\_Final.pdf](http://www.schulich.uwo.ca/Research/Documents/Health_Research_Plan_2008-2012_Final.pdf)

# Operations & Administration



**Schulich**  
MEDICINE & DENTISTRY

# Financial Information

## Sources of Operating Revenue

- Revenues for Schulich Medicine & Dentistry are derived from base government grants, tuition revenue, Canada Research Chairs, recoverable salaries, and other sources such as external billing for service, external salary recoveries and fundraising/development
- Base increases this year are due to government grants for increased undergraduate medicine enrolment

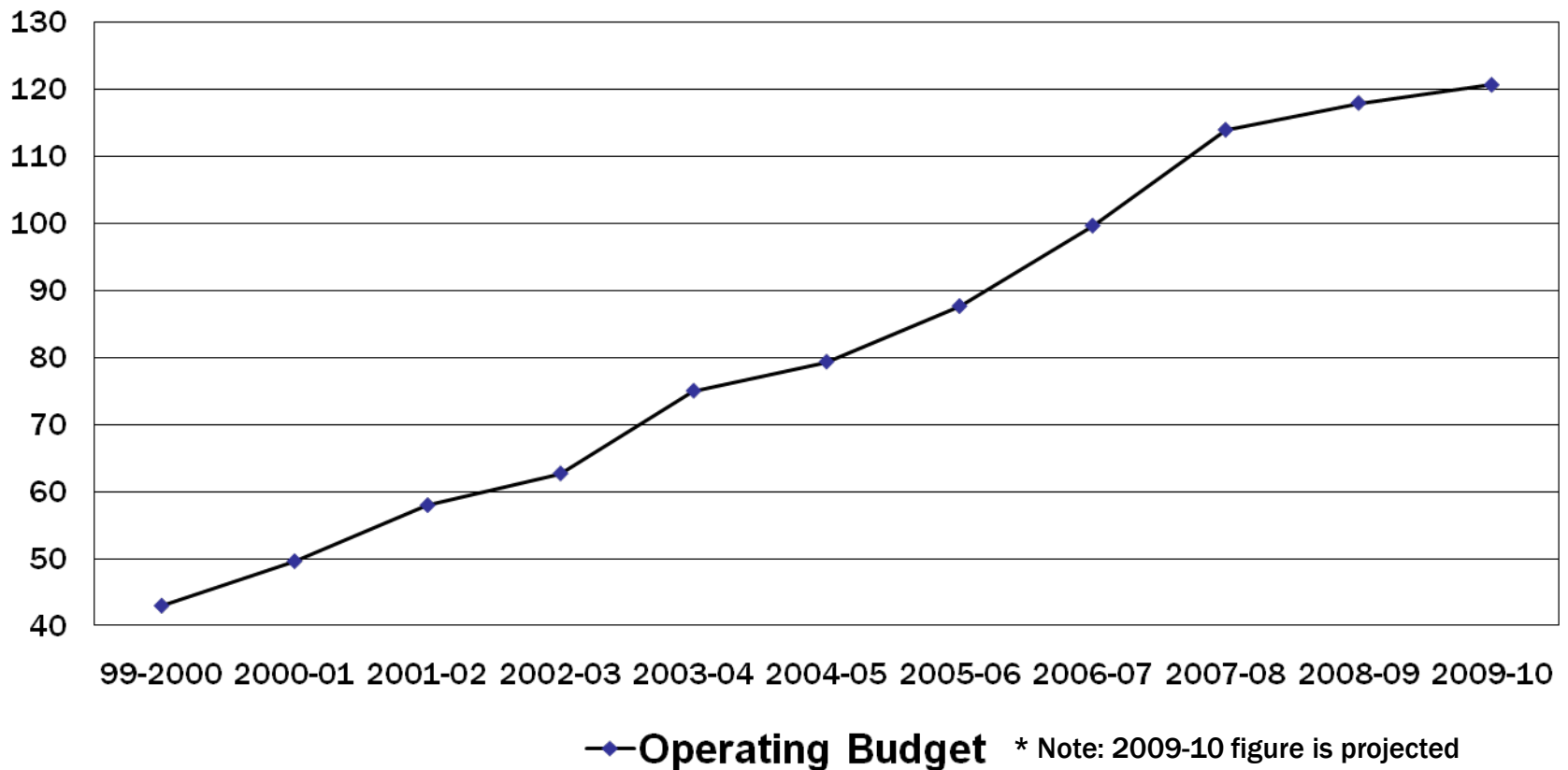
## Total Operating Revenue

2009-10	\$120.6 (projected)
2008-09	\$117.9 million (actual)
2007-08	\$113.9 million (actual)

# Financial Information

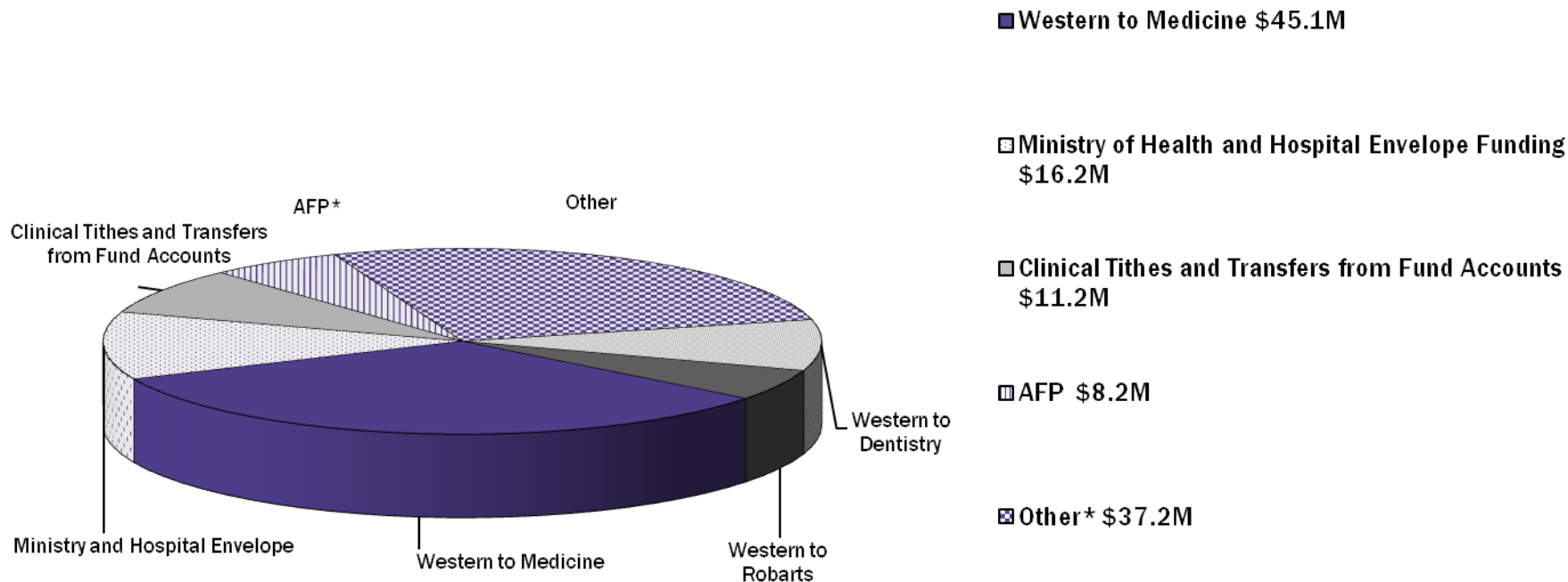
## Operating Revenue 1999/2000 to 2009/2010

### Operating Budget



# Financial Information

## 2008/09 Operating Revenues: \$117.9 million



\*AFP stands for Alternate Funding Plan

\*Other includes CRC funding and other recurring revenue

# Space and Facilities

## 2008/09 Highlights

- Major renovation of the Valberg Educational Resource Centre to expand space for computer-based and independent learning and update computer technology
- Renovation of several laboratories in the Dental Sciences Building to accommodate research programs:
  - Daniel Hardy and Tim Regnault – Laboratory for Investigating the Role of Fetal Programming in Metabolic Syndrome – for researching the fetal origins of health and disease
  - Ed Lui – laboratory space for investigating of alternative and complimentary medicine therapies
  - Dr. Frank Bier, Canada Research Chair in Musculoskeletal Health
  - Dr. Walter Siqueira & Dr. Cheryl Sequin (musculoskeletal health)
- Renovation of the seventh floor of Robarts Research Institute to create new laboratory space for John MacDonald and his neuroscience research team
- Upgrade of perimeter security to control access to all Schulich Medicine & Dentistry buildings through swipe cards
- Planning for expansion of Department of Medical Biophysics to Natural Sciences Centre
- Planning for new building to house the Department of Family Medicine and all its research and teaching activities at the UWO Research Park

# Space and Facilities

The Schulich School of Medicine & Dentistry occupies several buildings on The University of Western Ontario campus, but the School truly stretches across London through research institutes and teaching hospitals, as well as across Southwestern Ontario through multiple regional partners. This chart refers specifically to on-campus facilities and does not include space in the hospitals or research institutes.

The University of Western Ontario	2009 (sq. ft.)
Dental Sciences Building	116,695
Rix Clinical Skills Learning Building	14,263
Health Sciences Addition	17,128
Kresge Building	6,958
Medical Sciences Building	88,803
Molecular Biology Laboratory	11,028
Robarts Research Institute	109,885
Siebens-Drake Medical Research Institute	43,234
<b>TOTAL</b>	<b>392,320</b>

University of Windsor	2009 (sq. ft.)
Medical Education Building (owned by University of Windsor but home to Schulich Medicine & Dentistry - Windsor Program)	61,000
<b>TOTAL</b>	<b>61,000</b>

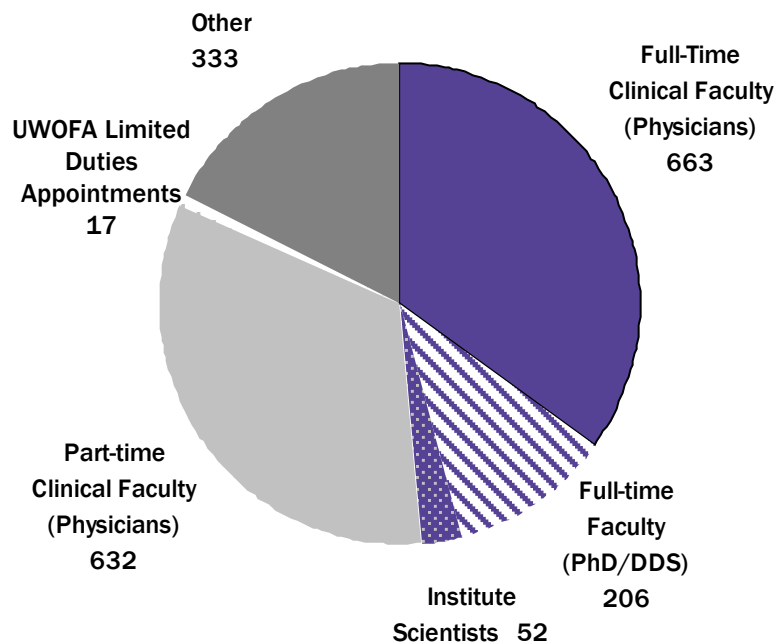
# Human Resources

## 2009 Highlights

- **Doug Jones appointed Associate Dean, Basic Medical Sciences Academic Affairs (July 1, 2009 to June 30, 2012)**
- **Charles Trick reappointed to Beryl Ivey Chair in Ecosystem Health (July 1, 2009 to June 30, 2014)**
- **Alp Sener received Schulich Clinician Scientist Award and appointed to the Department of Surgery, working in the Multi-Organ Transplant Program**
- **Andrea Lum appointed Chair of the Department of Medical Imaging (July 1, 2009 to June 30, 2013)**
- **Jerry Battista reappointed Chair of the Department of Medical Biophysics (July 1, 2009 to June 30, 2011)**
- **Shamim Tejpar appointed Assistant, Rural & Regional Medicine (July 1, 2009 to June 30, 2012)**
- **Rob Hammond appointed Assistant Dean, Admissions**
- **Jane Rylett reappointed Chair of Department of Physiology and Pharmacology (Jan 1, 2010 to June 30, 2016)**
- **Neil Arya named Director, Office of Global Health (April 1, 2009 to June 30, 2010)**
- **Lorelei Lingard named Director, Centre for Education Research and Innovation**
- **Andy Watson appointed Associate Dean, Graduate and Postdoctoral Studies (Jan 1, 2010 to December 31, 2012)**
- **Michael Rieder reappointed to the GlaxoSmithKline Chair in Paediatric Clinical Pharmacology (May 1, 2009 to April 30, 2014)**
- **Peter Williamson reappointed to the Tanna Schulich Chair in Neuroscience and Mental Health (October 1, 2009 to June 30, 2014)**
- **Gideon Koren reappointed to Richard & Jean Ivey Fund Chair in Molecular Toxicology (July 1, 2009 to June 30, 2014)**

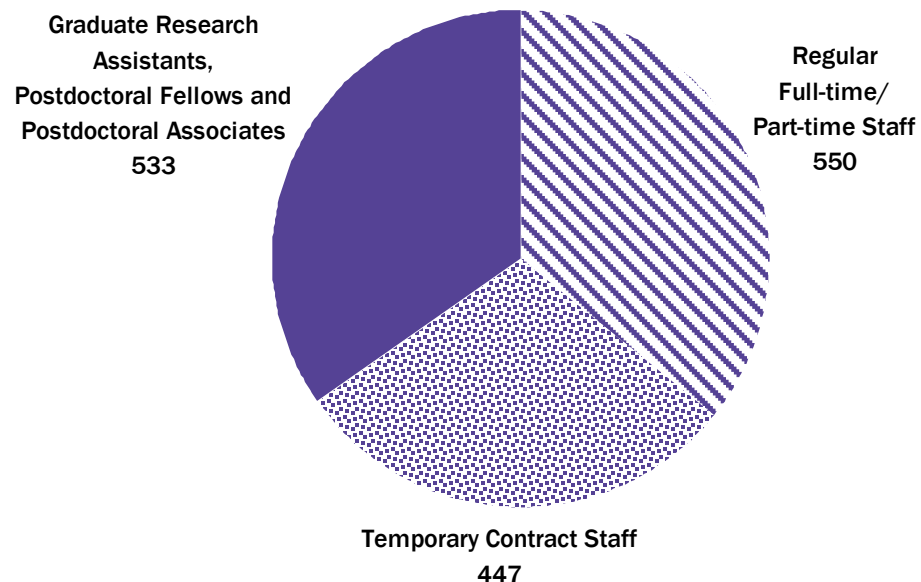
# Human Resources

## Faculty Complement: 1,848



“Other” includes adjunct (formerly casual) and visiting faculty but excludes cross-appointments and professor emeritus

## Staff Complement: 1,530



“Temporary Contract Staff” includes Graduate Teaching Assistants and Student Assistants.

Note: Robarts faculty, staff, and students are included in the numbers above.

# Endowed Chairs

Endowed Chair	Current Incumbent	Established
Fallon Memorial Chair in Clinical Preventative Medicine	Karen Campbell	1950
Richard Ivey Chair of Medicine	David J. Hollomby	1966
Hannah Chair in the History of Medicine	Paul Potter	1973
The Richard Ivey Chair in Surgery	John. D. Denstedt	1974
Richard & Beryl Ivey Chair in Clinical Neurological Sciences	Mike Strong & Steve Lownie	1984
Ian McWhinney Chair of Family Medicine Studies	Stewart Harris	1985
Martha G. Blackburn Chair in Cardiovascular Research	Robert Hegele	1997
Barnett/ Ivey Chair for Heart & Stroke	VACANT	1998
The Richard & Jean Ivey Fund Chair in Molecular Toxicology	Gideon Koren	1999
The Earl Russell Chair in Pain Management	Dwight Moulin	1999
The Beryl Ivey Chair in Ecosystem Health	Charles Trick	2001
GSK Chair in Clinical Pharmacology	Michael Rieder	2003

# Endowed Chairs

Endowed Chair	Current Incumbent	Established
Dr. Sandy Kirkley Chair in Musculoskeletal Research	David Holdsworth	2003
The Dr. Joseph Rea Chair in Mood Disorders	Elizabeth Osuch	2003
The Dr. Brian W. Gilbert Canada Research Chair in Primary Health Care	Moira Stewart	2004
The Edith Schulich Vinet Canada Research Chair in Human Genetics	Robert Hegele	2004
The Tanna Schulich Chair of Neuroscience & Mental Health	Peter Williamson	2004
Sheldon H. Weinstein Chair in Diabetes Research	David Hill	2004
Jacob J. Wolfe Distinguished Medical Research Chair in Human Gene Function	Robert Hegele	2004
The Beryl & Richard Ivey Chair in Rehabilitation and Geriatric Care	Rob Petrella	2005
The Provincial Endowed Chair in Autism & Behavioral Sciences	Rob Nicolson	2006
The Harris-Woodman Chair in Psyche and Soma	Ruth Lanius	2006
Canadian Diabetes Association Chair in Diabetes Management	Stewart Harris	2006

# Alumni Relations and Development

## 2009 Highlights

- **\$1.1 million donation from Wyeth Pharmaceuticals established the Wyeth/CIHR Clinical Research Chair in Transplantation; the Chair is held by Anthony Jevnikar**
- **More than \$2 million contributed from various pharmaceutical companies to the National Diabetes Management Strategy, a partnership between Western and the Canadian Diabetes Association**
- **The Department of Medicine made a \$500,000 gift to support the Centre for Education, Research and Innovation (CERI)**
- **\$400,000 was donated from the Vitali family to complete renovations of the Laboratory for Investigating the Role of Fetal Programming in Metabolic Syndrome – for researching the fetal origins of health and disease**
- **Vision for Surgical Excellence solidified and \$24 million of projects identified**
- **Centre for Education Research and Innovation (CERI) is identified as Dean Herbert's legacy project and fundraising in her honor is underway to support this initiative**
- **Dentistry fundraising continues to be strong, particularly through alumni support**
- **National and International Alumni outreach activities taking place with the goal of increasing alumni donations to the school**
- **The faculty has seen a record number of bequests in the last year, from both alumni and from non-alumni**

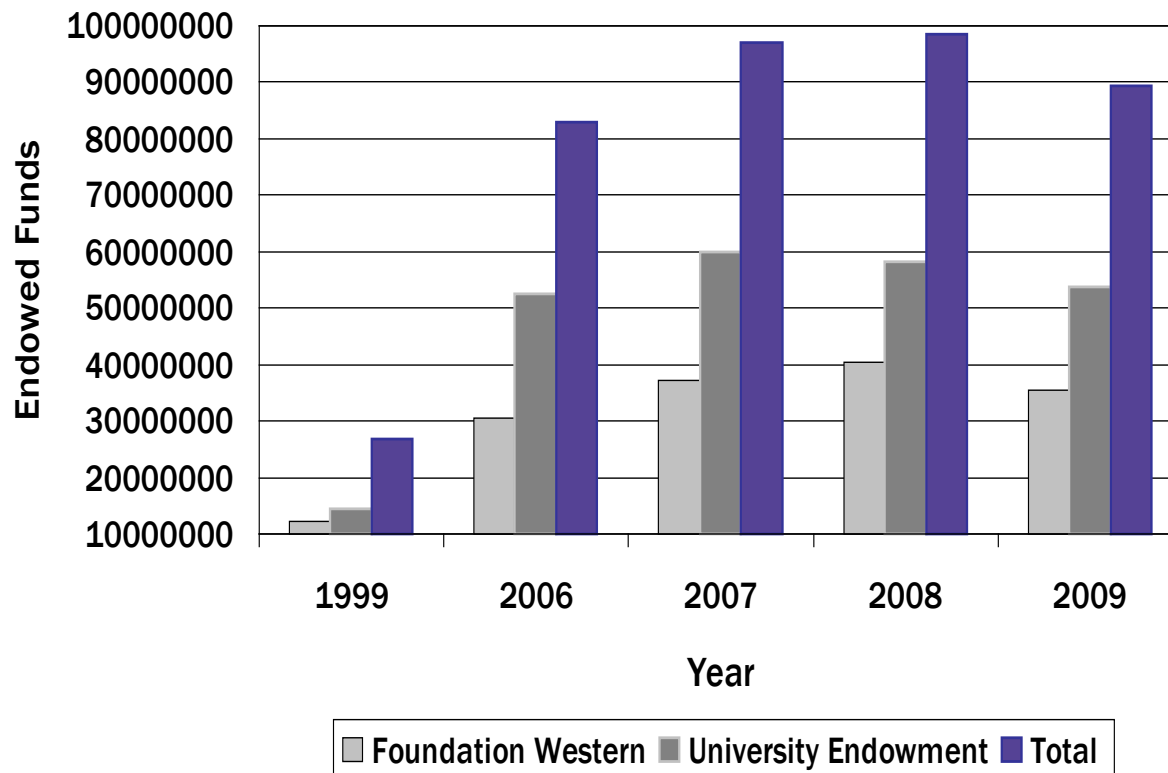
# Alumni Relations and Development

## Schulich Medicine & Dentistry Endowed Funds as of April 30, 2009

Category	Foundation Western	University Held Endowment	Total
Faculty & Department	\$2,990,652	\$6,417,746	\$9,408,398
Chairs & Professorships	\$13,273,581	\$17,311,447	\$30,585,028
Lectureships & Enhancements	\$2,112,166	\$782,325	\$2,894,491
Equipment	\$46,901	-	\$46,901
Research	\$5,191,693	\$2,245,223	\$7,436,916
Student Awards/Aid	\$11,839,271	\$26,788,479	\$38,627,750
Miscellaneous	-	\$302,255	\$302,255
<b>TOTAL</b>	<b>\$35,454,264</b>	<b>\$53,847,475</b>	<b>\$89,301,739</b>

# Alumni Relations and Development

## Schulich Medicine & Dentistry Endowed Funds 1999 to April 30, 2009

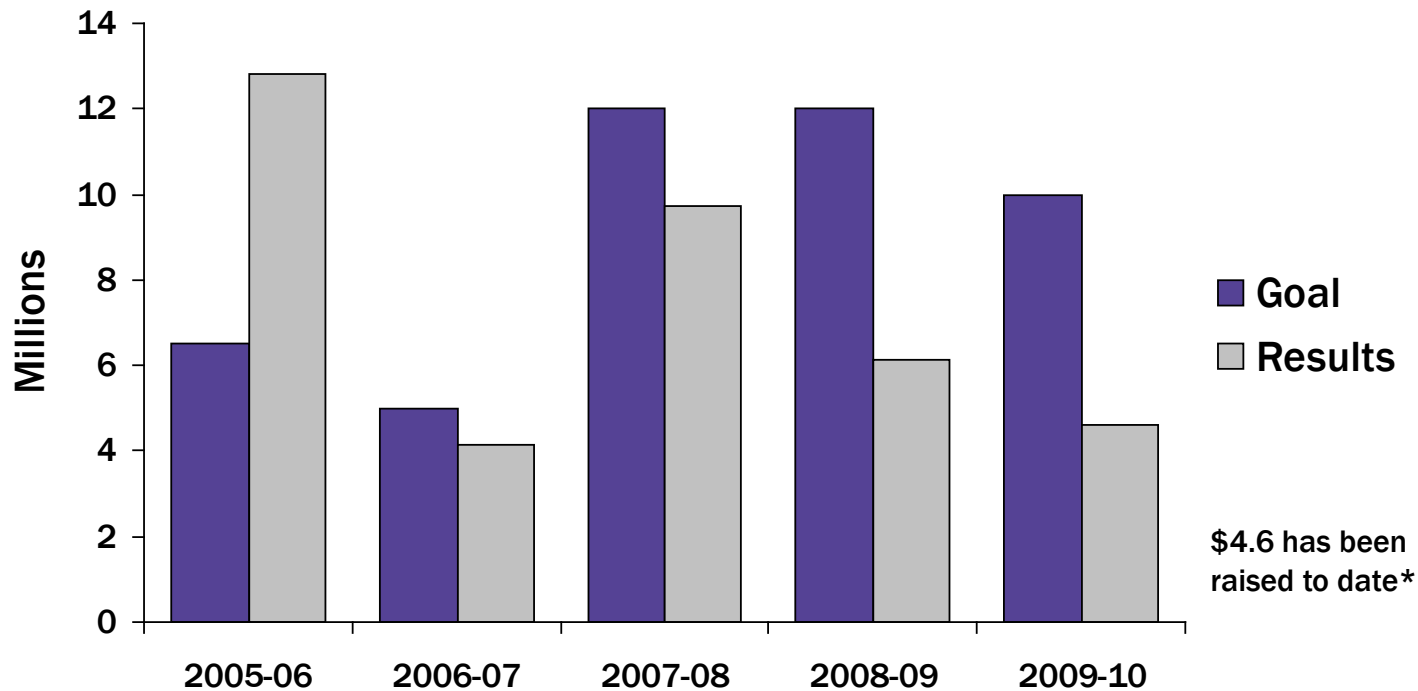


This chart represents the endowment picture for Schulich Medicine & Dentistry as of April 30, 2009.

The endowments both at Foundation Western and the University suffered losses during the downturn in the equity market. Both organizations have made policy changes to address immediate and long-term concerns.

# Alumni Relations and Development

## Fundraising Goals and Results 2005/06 to 2009/10



**Cumulative result: \$37.3 million to date over 5 years**

\*NOTE: As of February 2010, \$4,607,612 has been raised towards the 2009-10 fundraising goal.

# Communications and Marketing

## 2009 Highlights

### Marketing – General

- Publication of fourth annual Rapport magazine (Aug 2009); 12,000 copies distributed
- Development of new Graduate Studies brochure, display banners, posters, advertising and other recruitment materials, new print materials for SWOMEN, revised MD and DDS brochures, developed new branded summary of Research Areas of Strength and Fact Sheet
- Commissioned new photos for Indigenous Medicine and Dentistry admission stream
- Supported development of marketing materials and advertising for WORLDiscoveries Research Showcase

### Windsor Program

- Conference brochure and poster completed May/June 2009
- Supported regional and national advertising strategy in partnership with University of Windsor

### Branding

- Continuing to nurture Schulich Medicine & Dentistry brand and professional image
- Continued regular meetings with hospital and institute colleagues to address co-branding issues
- Continued use of promotional materials to promote the brand (continued demand in 2009 with more than \$7,500 in merchandise purchased from units and departments)
- Development of wordmarks for Office of Global Health, SWOMEN and Department of Family Medicine
- Development of new branded templates to complement Western's current branding including: certificates, flyers, posters, report covers, brochures, research posters, PowerPoint and advertising

# Communications and Marketing

## Internal Communications

- Developed and managed weekly e-bulletin for announcements and events and policy for broadcast email messaging (began January 2009)
- Developed and implemented communications strategy for 2009 Accreditation site visit, including production of widely circulated video message from the Dean
- Developed and (partially) implemented H1N1 pandemic communications plan
- Wrote and distributed internal communications with respect to Windsor Program leadership changes
- Coordinated Schulich sites for the AFMC National Launch of the Report, The Future of Medical Education in Canada: A Collective Vision
- Coordinated the announcement of Michael Strong appointed as next Dean
- Supported 2009 Celebration of Excellence awards ceremony

## Web and Social Media

- In conjunction with Media Relations Officer, provided regular, up-to-date content and more than 35 'banner' photos on website home page
- Reorganized menu structure and content on Schulich home page
- Regular posting of video clips to home page
- Initiated Schulich Medicine & Dentistry flickr group and regularly posted photos to flickr
- Production of video to support the Body Bequeathal Program – Dept. of Anatomy & Cell Biology
- Consulted on navigation, structure and features of Office of Global Health website

# Media Relations

## 2009 Media Highlights

- **Murray Huff** drew worldwide attention when he discovered that a flavanoid in grapefruit makes the liver burn fat rather than save it – a potential therapy to prevent and treat obesity. Covered in the *Toronto Star*, the *Telegraph* and *Daily Mail* in the United Kingdom, *Los Angeles Times*, *CBC Radio*, *Montreal Gazette*, *United Press International* and many others
- **Gideon Koren's** warning that codeine for pain relief following a tonsillectomy could be fatal for toddlers was carried on *CTV*, *A-News*, *CBC Radio*, *Canadian Press*, *US News* and *World Report*
- **Quim Madrenas's** research on superbugs was featured in *The Economist* and carried in the *Canwest* papers, including the *Vancouver Sun* and *Calgary Herald* as well as the *London Free Press*.
- **Stewart Harris**, **Robert Hegele** and **Ross Feldman** continue to be the go-to people for national reporters looking for comments on diabetes, obesity and hypertension. They were quoted in the *Toronto Star*, *Globe and Mail* and *National Post*.
- **Gregor Reid** is recognized internationally as the foremost probiotics expert and was quoted in publications including the *Wall Street Journal* and *CNN health.com*.
- **Dean Carol Herbert** was quoted in the *Globe and Mail* as a member of a panel which made recommendations regarding infertility and adoption.
- Stories on our medical, dental and *BMSc* students included six student profiles in the *London Free Press* series "Super Students" which highlighted community involvement, the Intergenerational Gala which pairs students with seniors from a retirement home, students shaving their heads for "head for a cure", the "Stash Bash" for prostate cancer, and other stories.
- The *National Post* carried an editorial by two of our female medical students along with **Dean Herbert** and **Barbara Lent** titled "Healthy citizens start with healthy doctors."

# Media Relations

- Schulich Medicine & Dentistry's success in having more graduates pursue family medicine was featured in a Macleans magazine special report. Chair of Family Medicine, Dr. Tom Freeman and Dean Herbert have also done several newspaper and radio interviews on the topic.
- Ontario Premier Dalton McGuinty toured the new 7T functional MRI at Robarts Research Institute attracting local coverage.
- With the emergence of H1N1, Dr. Bhagi Singh was kept busy with local and national interviews. He is one of our professors but also held the position of Scientific Director for the CIHR's Institute of Infection and Immunity.
- A successful news conference was held to announce a new \$1.1 million Transplant Research chair, held by Dr. Tony Jevnikar.
- A news conference was held to announce that Dr. Yong Kang's HIV/AIDS vaccine had completed toxicology tests successfully and was before the FDA in the United States for permission to begin human trials.
- The provincial government held a news conference here to announce Schulich will grow its number of medical students by 24 over the next two years.
- The federal government held a news conference at Schulich Medicine to announce \$3.8 million in research grants to fund two new research chairs and renew two others.
- Discovery Week, which sends first year medical students to rural and regional communities drew a lot of coverage. The positive nature of these stories was a major factor in the program receiving a 2009 Prix D'Excellence Silver Medal by the Canadian Council for the Advancement of Education

## Other Developments

- The Media Relations Officer assumed responsibility for Robarts Research Institute on a permanent basis in September 2009 after a successful year of coverage on a temporary basis to cover a maternity leave.

# Information Services (IS)

## 2008/09 Highlights

- Continued to build policies and procedures to provide stable connectivity between Western and Windsor to ensure a robust videoconference (VC)-enabled teaching environment.
- A formal link between Schulich Information Services and Schulich Teaching and Technology Services was put in place to ensure strategic direction and common goals are established between these highly technical units.
- Continued to expand the functionality of the Schulich VC network; the Schulich network is now connected to the Ontario Telemedicine Network (OTN). This 'link' allows Schulich to leverage the OTN secure VC network in addition to their own.
- Significant investment was made to the Valberg Learning Resource Centre (VERC) in both renovations and upgrades. The VERC is now a state-of-the-art teaching facility, boasting over 100 desktop computers to provide hands-on learning, in addition to providing students with a facility for self-directed learning that is available 24/7.
- Continued to expand and upgrade all the services that Information Services offers to their clients; these upgrades included the start of a three-year cycle of administrative desktop replacements to provide staff with new technology and the latest software packages.

# Teaching and Technology Services (TTS)

The Teaching and Technology Services unit was created in May 2008 to consolidate technical support for teaching across the entire Schulich faculty. TTS was created through a consolidation of the e-Learning unit (online delivery and pedagogy) and the Educational Technology unit (room equipment and videoconferencing). TTS assists Schulich educators in the MD, DDS and BMSc programs.

## Services

### Technology Training

- Teaching with technology
- Using technology for blended online / face-to-face teaching and learning
- Teacher training using videoconferencing and webconferencing
- In-class support for teachers
- Faculty development in use of technology for teaching

### Design and Consultation

- Providing examples of materials / approaches using web and digital technology
- Web design, WebCT OWL and WIMBA (webconferencing) support
- Consultation and advice on instructional design and pedagogy
- Tracking of eLearning by Department / Discipline (Aug – Dec 2009):

	ANATO MY	GI/GU	ENDO	PATH	REPRO	NEURO	PHARM	COMM HEALTH	MSK	DENTIS TRY	ENT	OTHER
Contacts	19	7	4	3	6	8	7	25	1	5	10	20

# Teaching and Technology Services (TTS)

## Production

- Incorporating learning modules and objects into instruction
- Conversion of teaching materials to digital formats
- Digital material preparation and editing
- “Hands-on” assistance in preparing and delivering digital teaching materials
- Facilitate collaboration with ITRC (UWO) in the development and use of graphics and digital media
- Design and use of WebCT OWL for curricular materials
- Troubleshooting online serving of video / graphics materials from WebCT OWL

## 2009 Highlights

- Continuation of successful videoconferencing for 2008-2009 academic year (Year 1 curriculum only)
- Successful launch full day videoconferencing for both Year 1 & Year 2 (August 2009)
- Oriented and trained 84 faculty in videoconferencing teaching techniques
- Provided e-Learning support and construction for many Schulich instructors (previous slide)
- Facilitated 660 hours of videoconferencing lectures in 2009 in Schulich distributed MD program
- Continued a high success rate of videoconferenced teaching (<99%)
- Supported videoconferencing for “unofficial” (student-run) curriculum (meetings, special events, extracurricular communication: 67 calls/95 hours)

# Outstanding Education



The Schulich School of Medicine & Dentistry provides an outstanding student experience, with training in London, Windsor and across Southwestern Ontario. We prepare graduates with the skills and knowledge to become leaders in their chosen field.



# Outstanding Education

## Schulich Medicine & Dentistry Programs

The Schulich School of Medicine & Dentistry offers the following degree programs:

- Doctor of Medicine (MD)
- Doctor of Dental Surgery (DDS)
- 49 postgraduate medicine (residency) training programs
- 1 postgraduate dental residency program
- Bachelor of Medical Sciences (BMSc – Honors/non-Honors))
- 12 Graduate Programs offering MSc & PhD degrees in basic and clinical sciences
- Combined MD/PhD
- Combined MD/BESc (Bachelor of Engineering Sciences) degree
- Combined BMSc/HBA (Business Administration) degree
- Graduate Orthodontics (Master of Clinical Dentistry)
- Oral and Maxillofacial Surgery Residency/MD/MSc Pathology (new in 2007)
- Internationally Trained Dentists Program (for dental graduates not accredited in Canada)
- Dental Clinician Scientist Program (joint PhD or MSc and DDS degree program)
- Continuing Medical and Dental Education Programs for practising physicians and dentists

# Doctor of Medicine (MD) Program



## 2008/09 Highlights

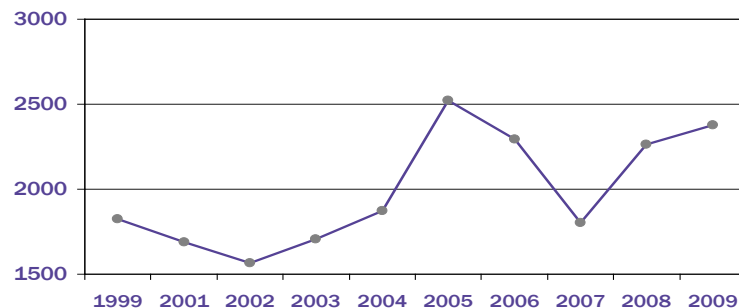
- Additional 12 students to 2009/10 entry class; further increase of 12 students in 2010/11 (provincial funding)
- Successful limited site survey by LCME/CACMS in April 2009, resulting in full accreditation for the balance of the eight-year term, with next review in 2015-16
- Five new staff added to support the centralized, systems-based curriculum mandated by the accreditation bodies
- Improvements in curriculum design, materials and assessment have enhanced teaching support and improved monitoring of curriculum delivery.
- Reviewed and revised the sequence of courses offered in Years 1 & 2. (to be initiated in the 2010-11)
- Established an Objectives Committee and began an in-depth review of course objectives and curriculum
- Developed new guidelines for preparation of Year 1& 2 course material and assessment
- Established an Assessment Committee and designed an assessment template for course tests and assignments.
- Developed verification system for clerkship clinical encounters and procedures.

# Doctor of Medicine (MD) Program

## Application Information

- Students may apply to multiple schools through the Ontario Medical School Application Service
- Overall, applications to Ontario medical schools decreased by 6.8 per cent this year
- 2,376 applied to Schulich Medicine & Dentistry (an increase of 4.9%)

## Medicine Applications 2000 – 2009



## Ontario Medical School Applications

2009 for 2010 entry class:

DeGroot (McMaster)	3,798
Ottawa	3,651
Queen's	3,330
Toronto	3,116
<b>Schulich</b>	<b>2,376</b>
Northern Ontario	1,757

Note: Ottawa and Northern Ontario do not consider MCAT scores in admissions. McMaster added the MCAT requirement this year.

Year*	# Applications
2000	1728
2001	1690
2002	1,565
2003	1,706
2004	1,874
2005	2,523
2006	2,296
2007	1,802
2008	2,263
2009	2,376

\* Note: year reflects request for entry in subsequent year. (e.g. in 2002, 1,565 students applied for the Sept. 2003 entering class)

# Doctor of Medicine (MD) Program

## Class of 2013 Profile (Students entered Year 1 in September 2008)

### Demographics

Number invited for interview:		469
Number Accepted:		159
Male:		82 (52%)
Female:		77 (48%)
From:	Ontario	142 (89%)
	BC	6
	Alberta	4
	NS	2
	QC	2
	SK	2
	NB	1

### Students from Southwestern Ontario

# interviewed	78
# offered	50
# accepted	41 (26% of Meds 2013)
# Middlesex County	14 (8 %)
# Essex County	16 (10%)

### Last University Attended:

Western	42
McMaster	18
Toronto	22
Queen's	12
Windsor	11
McGill	10
Ottawa	10
Waterloo	8
Guelph	5
York	3
Dalhousie	2
Laurentian	2

### 1 student each from:

University of British Columbia, Victoria, Alberta, Brock, Columbia, Wilfrid Laurier, Calvin, Ontario University Institute of Technology, Saskatchewan, Wayne State, Memorial, St. Francis Xavier, Simon Fraser, University of New Brunswick, Acadia

# Windsor Program



- 30 students entered first year of the Windsor Program in September 2009; bringing total undergraduate students to 54
- Tom Scott, Associate Dean, Windsor Program announced plan to retire in May 2010 following vacation leave; Dr. Jim Silcox appointed Acting Associate Dean while Dr. Scott is on leave (until April 2010)
- Review of program conducted by colleagues from Richard Ivey School of Business and Odette School of Business in Jan 2010 to inform selection process for new Associate Dean and recommend improvements to the structure and operation of the program
- Robust faculty development program scheduled for 2009/10
- Successful in delivering all Year 1 and Year 2 Community Health courses in Windsor for 2009/10 academic year
- Expansion of Year 2 Clinical Methods courses to include teaching in the Medical Education Building and community clinics and hospitals
- Recruitment of course coordinators and additional clinical teaching faculty continues to be a priority
- \$4.2 million in provincial funding (for increase in overall Schulich Medicine class size) dedicated to the completion of the third floor, Medical Education Building at University of Windsor



# Windsor Program



- Toldo Foundation established a \$250,000 educational endowment matched by funds from the Ontario Trust for Student Support to benefit Essex and Kent County students attending the Schulich School of Medicine and Dentistry – Windsor Program.
- Hosted a one-day symposium, “Conquering Malignant Pain & Suffering: New Possibilities” with participation and presentations from Windsor and London faculty (June 2009)
- Partnered with University of Windsor Faculty of Nursing to host a week-long Summer Institute of Clinical Health Research (June 2009)
- Hosted an undergraduate medical education retreat in March 2009 with Windsor and London faculty participating



# Doctor of Medicine (MD) Program

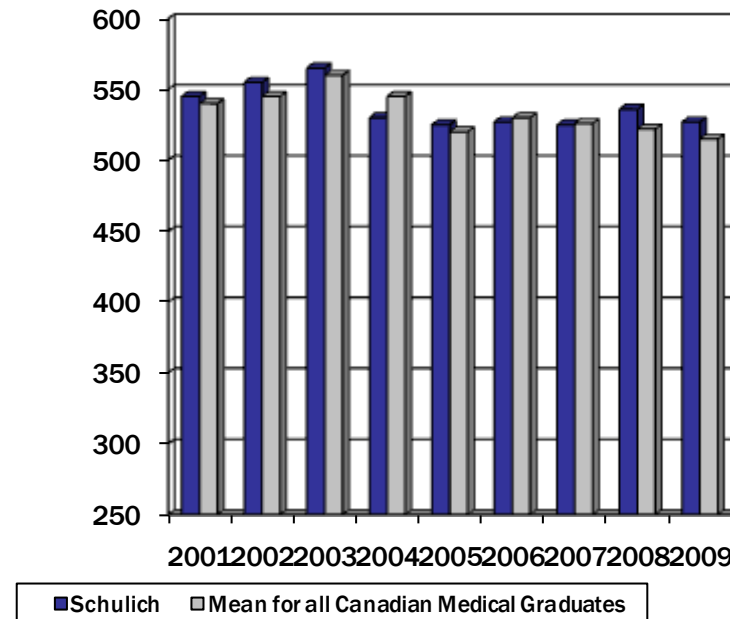
## Medical Council of Canada Qualifying Examination Results

All candidates must take the Medical Council of Canada Qualifying Examination (MCCQE) upon completion of the MD program.

### Observations from the 2008 MCCQE

- The pass rate for Schulich students was between 95 and 100 per cent (equivalent to Canadian mean).
- Schulich students scored higher than any other Canadian medical students in the category considering legal, ethical and organizational aspects of practice.
- With the exception of 2004 and 2006, Schulich students have exceeded or matched the Canadian mean for total examination scores and clinical reasoning skills over the past eight years.

MCCQE Mean Scores 2001-2009



# Doctor of Medicine (MD) Program

## MD Program Year 1 Tuition Comparison 2009/10

### Ontario

Medical School	Tuition
DeGroote	\$19,288
Toronto	17,887
Ottawa	16,799
Schulich	\$17,040
Queen's	\$16,878
Northern Ontario	\$16,550

### Other Canadian Schools

Medical School	Tuition
Memorial	\$6,250
Dalhousie	\$13,818
Laval	\$3,083/\$8,618*
Sherbrooke	\$3,018 /\$8,434*
Montreal	\$2,952 /\$8,217*
McGill	\$4,592 /\$12, 835*
Manitoba	\$7,774
Saskatchewan	\$11,367
Alberta	\$11,540
Calgary	\$14, 385
UBC	\$15154

\*Note: Quebec schools have lower tuition rates for Quebec residents vs. out of province

# Doctor of Dental Surgery (DDS) Program



## Highlights 2008/09 and 2009/10 to date

- launched the first year of a totally revamped curriculum that is thematic; feedback has been very positive
- curriculum revision and planning continues for the second year
- new clinical model of pairing students
- developing new scheduling process using software that allows for a more detailed, informative schedule and provides for online course/faculty evaluations
- appointment of an Assistant Director of Accreditation in preparation for the 2009/10 review
- growth of the Dental Outreach Community Services (DOCS) program to serve patients in the community

### New faculty:

- Dr. Ali Tassi Graduate, Orthodontics Clinic Director
- Dr. Jacinta Santos, Division of Restorative Dentistry
- Dr. Aldo Manzur, Division of Restorative Dentistry
- Dr. Walter Siqueira, Division of Periodontics
- Dr. Joe Armstrong, Division of Oral Surgery
- Dr. Mike Shimizu, Division of Oral Surgery

# Doctor of Dental Surgery (DDS) Program

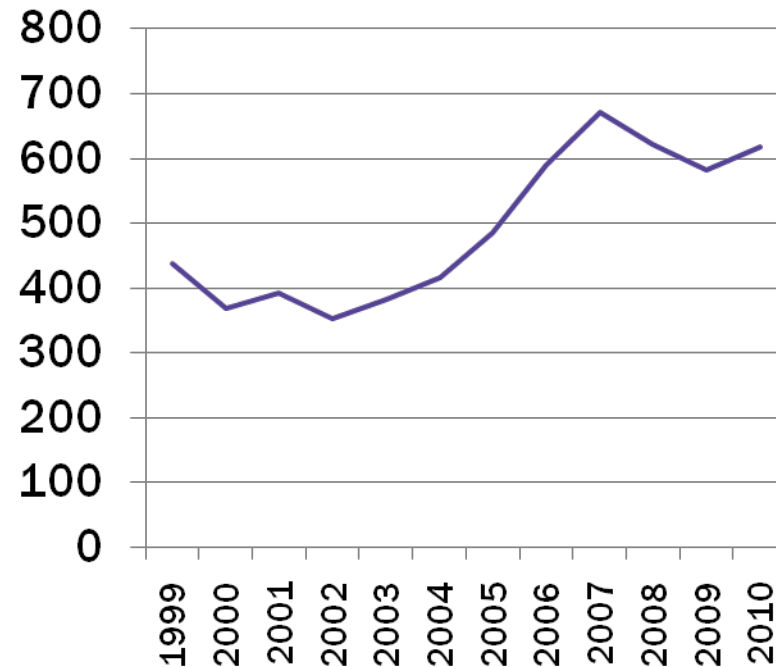
## Class of 2013 Profile (Students entered Year 1 in September 2009)

<b>Class size</b>	<b>56</b>	<b>Number applicants with full degrees: 45 (80%)</b>	
<b>Invited for Interview</b>	<b>265</b>	<b>Advanced</b>	<b>Undergraduate</b>
<b>Male:</b>	<b>22(39%)</b>	<b>MS</b>	<b>9</b>
<b>Female:</b>	<b>34 (61%)</b>		<b>HBSc</b> <b>24</b>
<b>Average age:</b>	<b>24</b>		<b>BA/BSc (4 yr)</b> <b>5</b>
<b>Average GPA:</b>	<b>88.6%</b>		<b>HBHSc</b> <b>2</b>
<b>From:</b>	<b>Ontario</b> <b>49</b>		<b>HBMSc</b> <b>3</b>
	<b>Other</b> <b>7</b>		<b>MBBA</b> <b>1</b>
	<b>BC</b> <b>2</b>		<b>BSc (3 yr)</b> <b>1</b>
	<b>NS</b> <b>2</b>		
	<b>PEI</b> <b>1</b>		
	<b>Alberta</b> <b>1</b>		
	<b>USA</b> <b>1</b>		

# Doctor of Dental Surgery (DDS) Program

## Schulich Dentistry Applications 1999 to 2010

Year	Applications
1999-00	438
2000-01	368
2001-02	393
2002-03	352
2003-04	383
2004-05	416
2005-06	486
2006-07	591
2007-08	671
2008-09	621
2009-10	583
2010-11	618



### Application Information

- Number of applicants for entry 2010: 618
- Number of spaces available: 56
- 11-plus applications for each space

# Doctor of Dental Surgery (DDS) Program

## Dentistry Program Enrolment 2003/04 – 2009/10

Year	Year 1	Year 2	Year 3	Year 4	ITD*1	ITD*2	TOTAL
2003-04	52	56	55	50	12	12	237
2004-05	56	55	53	55	12	12	243
2005-06	55	55	51	55	12	12	240
2006-07	54	55	54	51	15	12	241
2007-08	54	56	55	54	13	15	247
2008-09	53	56	56	56	15	13	249
2009-10	56	56	56	56	13	14	251

\*ITD stands for Internationally Trained Dentists Program – for details see p.87

# Doctor of Dental Surgery (DDS) Program

## DDS Program Tuition 1999 to 2008/09

Year	Year 1	Year 2	Year 3	Year 4
2003-04	30,273	30,813	29,053	28,137
2004-05	27,164	24,582	24,347	22,968
2005-06	27,178	28,648	24,622	24,045
2006-07	29,854	29,470	23,120	25,319
2007-08	31,227	30,789	23,842	20,487
2008-09	32,913	32,415	25,412	21,317
2009-10	35,076	34,200	27,135	22,981

- Tuition costs have increased steadily over the past number of years, most recently at a rate of 8% - the maximum rate set by the University for professional schools
- Total first-year costs vary over time due to changing yearly fees for equipment kits

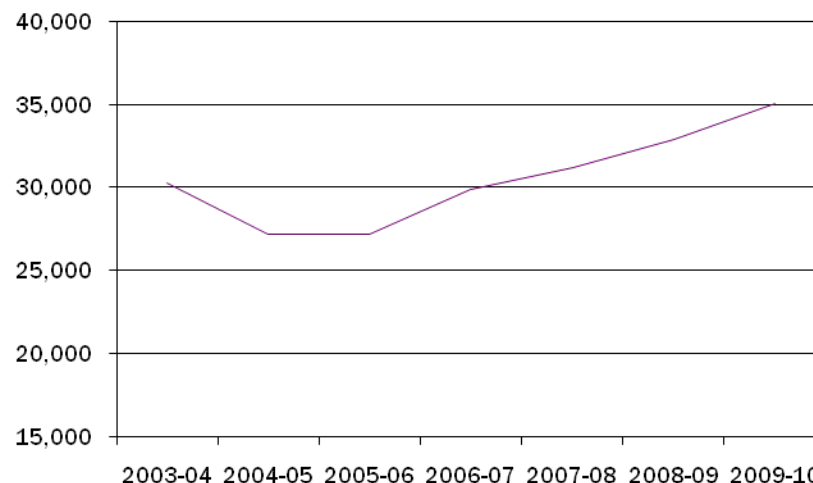
**2009/10 Year 1 Tuition + Fees: \$35,076**

**Tuition: \$23,264**

**Dental Kit: \$10,825**

**Fees: 987.18**

**Year 1 Tuition and Fee History  
2003/04 to 2009/10**



# Doctor of Dental Surgery (DDS) Program

## Comparison of Tuition and Fees at Canadian Dental Schools 2009-10

School	Tuition & Fees – Year 1 (includes equipment and clinic fees)
British Columbia	\$43,077
Saskatchewan	\$39,660
Schulich	\$32,913
Toronto	\$27,959
Alberta	\$27,116
Manitoba	\$25,638
Dalhousie	\$24,647
McGill	\$13,820
Montreal	\$12,491
Laval	\$9,481

# Bachelor of Medical Sciences (BMSc) Program

## Overview

- A joint program with the Faculty of Science
- Established in 2001 to provide training in the basic medical sciences
- In Years 1 & 2, students enroll in the Faculty of Science and in Years 3 & 4, in the Schulich School of Medicine & Dentistry
- Offers a broad range of courses across all basic medical science departments, allowing for either an in-depth study of a specific discipline or a multi-disciplinary approach
- Enrolment in the BMSc Program is limited and competitive. Approximately 300 Year 4 students complete an honors research project or an advanced laboratory/lecture course
- Enrolment capping began in 2006-07 to ensure high quality education and availability of research projects, supervisors and spaces in advanced labs

## Enrolment 2001-02 to 2009-10

Year	2001-02	2002-03	2003-04	2004-05	2005-06	2006-07	2007-08	2008-09	2009-10
3	73	85	158	324	585	490	320	287	351
4	132	143	161	215	294	530	471	359	301
<b>Total</b>	<b>205</b>	<b>228</b>	<b>319</b>	<b>539</b>	<b>879</b>	<b>1020</b>	<b>791</b>	<b>646</b>	<b>652</b>

# Bachelor of Medical Sciences (BMSc) Program

## BMSc Program Entering Average

- BMSc Program attracts high-quality candidates with one of the highest entering averages at Western
- Entering average for students applying to Year 1 Science: 87.1%
- Entering average for students applying to Year 1 Biological and Medical Science: 89.1%
- Students applying for admission to the BMSc program (admission begins in Year 2) have been subjected to limited enrolment since September 2006
- The target number of registrants in the BMSc program is 370 students in each of Years 2 and 3

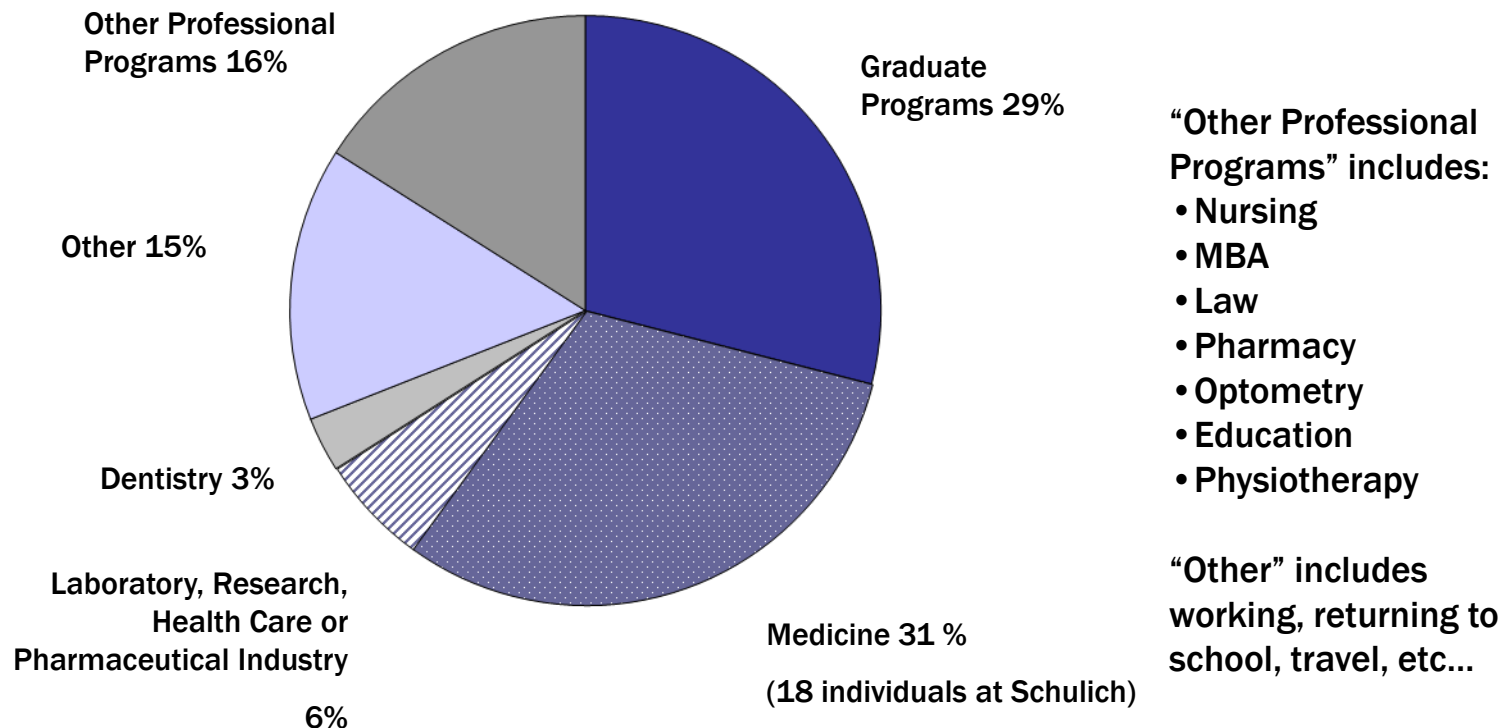
## 2009 Highlights

- Douglas L. Jones was appointed as the new Associate Dean, Basic Medical Sciences Academic Affairs in July 2009
- Michelle Belton joined the BMSUE team as the BMSc Laboratory Coordinator in December 2009
- Outreach events continue to attract hundreds of Year 1 and 2 students interested in basic medical science modules
- Record numbers attended Western's March Break Open House and Fall Preview Day
- Changes to the HBA program and timetable should increase enrolment in the combined BMSc/HBA due to greater flexibility in course selection and scheduling
- The basic medical science departments have undertaken a self-appraisal and will undergo an Undergraduate Program Review in 2010

# Bachelor of Medical Sciences (BMSc) Program

## Career Survey 2009

- The annual career survey was done to assess where BMSc graduates were planning to be working or studying as of September 2009
- 199 (71%) of 283 graduates responded to the survey; results are illustrated below



# Postgraduate Medical Education



## 2008/09 Highlights

- Management of PGE expansion to both Canadian medical graduates and international medical graduates
- Successful in filling all designated PGY1 positions
- Continued to invest in increased support for residents and fellows
- Supported postgraduate faculty in attending two CanMEDS “Train the Trainer” Workshops “Scholar” in October 2008 and “Professional” in January 2009
- Collaborated with London hospital Medical Affairs to streamline joint projects (orientation, registration, credentialing processes, Clinical Education Budget)
- Developed electronic Letters of Appointment in 2009/2010 and electronic registration packages
- Revised processes and forms to streamline PGE activities
- Completed job aids detailing PGE processes to ensure efficiency and accuracy

# Postgraduate Medical Education

## RCPSC Year 1 Programs

Anatomical Pathology  
Anesthesiology  
Cardiac Surgery  
Diagnostic Radiology  
Emergency Medicine  
General Pathology  
General Surgery  
Internal Medicine  
Medical Microbiology  
Neurology  
Neuropathology  
Neurosurgery  
Nuclear Medicine  
Obstetrics & Gynecology  
Ophthalmology  
Orthopedic Surgery  
Otolaryngology  
Pediatrics  
Physical Medicine & Rehab  
Plastic Surgery  
Psychiatry  
Radiation Oncology  
Urology

## CFPC Year 1 Programs

Family Medicine  
Rural Family Medicine

## CFPC Year 3 Programs

Family Medicine/Anesthesia  
Family Medicine/Care of the Elderly  
Family Medicine/Emergency Medicine  
Family Medicine/Enhanced Skills

- All programs are accredited individually
- Majority of programs have full accreditation

## RCPSC Subspecialty

Cardiology	Maternal-Fetal Medicine
Clinical Immunology & Allergy	Medical Oncology
Clinical Pharmacology	Neonatal-Perinatal Medicine
Critical Care Medicine-Adult	Nephrology
Critical Care Medicine-Pediatric	Neuroradiology
Endocrinology & Metabolism	Pediatric Emergency
Gastroenterology	Respirology
Geriatric Medicine	Rheumatology
Gynecologic Oncology	Thoracic Surgery
Gynecologic Reproductive	Vascular Surgery
Endocrinology & Infertility	
Hematology	Clinician Investigator Program

# Postgraduate Medical Education

## Postgraduate Enrolment 2000 to 2008

Year	Total Enrolment	Entry positions (Year 1 CaRMS)
2000	449	80
2001	448	80
2002	478	92
2003	519	97
2004	568	92
2005	611	102
2006	658	111
2007	686	118
2008	696	145*
2009	742	167
2010		173

\*International Medical Graduate positions were added to Year 1 CaRMS entry positions

\*\*Note: Trainee numbers taken from national census performed annually on November 1 by the Canadian Post-MD Education Registry (CAPER)

# Southwestern Ontario Medical Education Network (SWOMEN)

## 2008/09 Highlights

- Welcomed new Assistant Dean of Rural and Regional Medicine, Dr. Shamim Tejpar; a Pediatrician from Stratford, Dr. Tejpar had previously been a SWOMEN Academic Director
- Fall Preceptor retreat in Port Elgin for faculty development
- Hosted an Academic Planning meeting (May 2009) with Clinical Program Directors, Educational Coordinators and preceptors
- Developed and distributed “A Model of Excellence - Summary Report” highlighting SWOMEN’s history
- Developed the summer research electives program with Gateway Rural Research Institute in Seaforth
- Increased the MedQUEST summer elective sites from five to eight
- In partnership with the Department of Family Medicine, recruited new preceptors in several communities
- Supported students to attend the “Society of Rural Physicians of Canada” and the “Canadian Association of Emergency Physicians” meetings
- Implemented a preceptor database
- Initiated longitudinal medical learner database for trainee participants in SWOMEN
- More than 45 communities connect to Schulich Medicine & Dentistry through the SWOMEN program

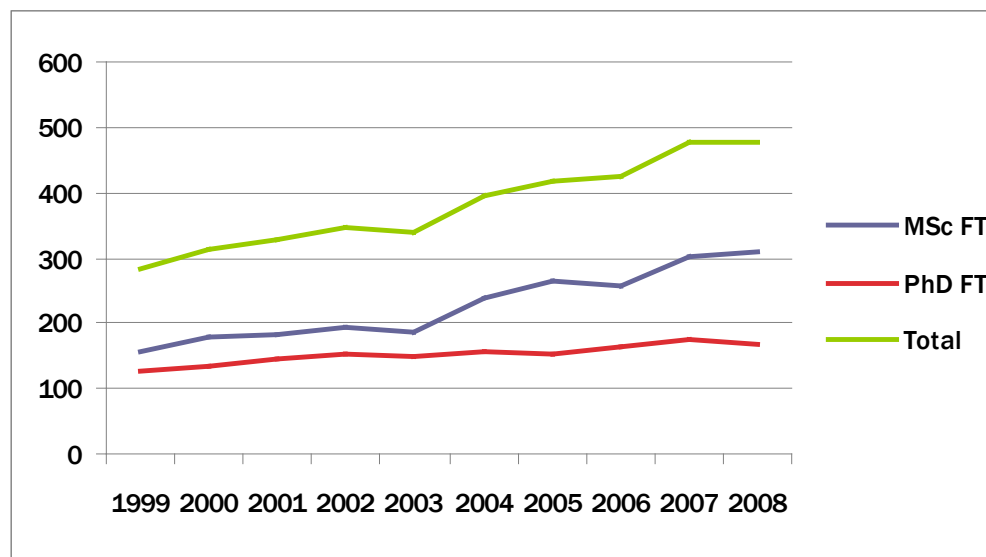
# Southwestern Ontario Medical Education Network (SWOMEN)

## Key Program Outcomes

<b>Southwestern Ontario Medical Education Network</b>	<b>May 2007 - April 2008</b>	<b>May 2008 - April 2009</b>
Number of Undergraduate Clerkship Trainees	106	98
Number of Undergraduate Clerkship Training Months	340	332
Number of Postgraduate Residents	166	201
Number of Postgraduate Resident Training Months	295	294
Number of Postgraduate Yr 3 Enhanced Placements	13	26
Number of Pre-clerkship (UME1&2 Windsor) Trainees	14	17
Number of Pre-clerkship (UME1&2 Windsor) Training Months	16	18
Number of Rural Week/Discovery Week Trainees	138	147
Number of Rural Week/Discovery Week Training Months	35	37
Number of Clinical and Research Project Trainees	16	12
Number of Clinical and Research Project Training Months	24	18
Number of Pre-clerkship Summer Electives Trainees	7	12
Number of Pre-clerkship Summer Electives Training Months	8	13
Number of 4th Year Rural/Regional Electives Trainees	34	55
Number of 4th Year Rural/Regional Electives Training Months	41	60

# Graduate Studies

## Enrolment 1999 to 2008



### Notes:

- Overall increase: 77%
- 1999-2003 data from Western's databook published on-line (does not include Family Medicine or Orthodontics)
- 2004-2010 from Western's School of Graduate and Postdoctoral Studies (SGPS) data used to calculate Graduate Scholarship in Science and Technology Fund (GSSTF) budget (includes Family Medicine and Orthodontics)
- Both include International Students
- These are official numbers used by Province: they do not include students who are beyond 2 yrs in MSc, 4 yrs in PhD (starting with MSc) or 5 yrs in PhD (starting with BSc)

	99-00	00-01	01-02	02-03	03-04	04-05	05-06	06-07	07-08	08-09	09-10
<b>MSc</b>	157	178	183	195	188	237	264	259	302	315	322
<b>PhD</b>	126	135	144	151	150	158	153	164	175	168	180
<b>TOTAL</b>	283	313	327	346	338	395	417	423	477	483	502
<b>% Increase</b>	0	11	16	22	19	40	47	49	69	70	77

# Graduate Studies

## Highlights and Milestones 2008/09 and 2009/2010 to date

- Ongoing increase in MSc and PhD enrollment in all programs; up 77% from 99-2000
- Fall Graduate recruitment lecture series had 359 registrants for 6 lectures
- 29 faculty and graduate student reps visit 17 recruitment fairs across Canada; reached 1600 + prospective students
- 198 students registered for Schulich Graduate open house; November 14th 2009; attendees included individuals from Queens, Guelph, U of T, Waterloo, Brock, McMaster and Wayne State Universities
- Set February 1, 2010 as first applicant deadline for all programs; with all programs reporting increase in early strong applicants for September 1 start dates
- Dean's Entrance Scholarship for Graduate Research created with first competition for February 2010; expectation for funding four MSc students @ \$22,100 and 2 PhD students @ \$24,100
- Winter recruitment lecture series currently has 219 registrants for 5 lectures
- Addition of Career Fair in conjunction with Moffat Graduate Research Day in March 2010; business and employer leaders attending for career events; 180 graduate research posters will be presented with awards provided in 10-15 different categories
- New comprehensive Schulich Medicine & Dentistry Graduate Studies website developed
- Individual graduate program websites in development to provide consistent format and information across all sites

# Combined Degree Programs

## MD/PhD

- Seven-year program in which students complete both their MD and PhD degrees
- Total of 15 students enrolled in the program
- Sought-after program with many more applicants for each available space
- initiated a monthly MD/PhD seminar series in 2009-10 featuring a guest speaker and student presenter; seminars are well-attended
- In 2008-2009, Derek Cool defended his PhD successfully. He is currently in year 3, Medicine.
- Derek Debicki completed the program in August 2009, and entered residency in Neurosciences at Schulich
- Mark Kirchhof completed the program in June 2009 and entered residency in Vancouver in Dermatology, one of the most competitive programs in the country.

## MD/BESc

- Seven-year program in which students earn both a Bachelor of Engineering Sciences and MD degree
- Joint program between Schulich Medicine & Dentistry and Western Engineering
- 8 students are currently enrolled in the program; 4 will graduate in spring 2010 bring the total to 11 graduates since 2006

## BMSc/HBA

- Five-year program in which students complete both a Bachelor of Medical Sciences and an Honors Business Administration degree
- Joint program with the Faculty of Science and the Richard Ivey School of Business
- In 2008-09, 15 students are enrolled in the program (8 in Year 4, 7 in Year 5)

# Combined Degree Programs

## Health Sector MBA

- Joint program with the Richard Ivey School of Business providing Health Sector specialty MBA
- Open to graduates from all health professional fields as well as health research related programs
- 2008/09 enrolment was 19 students; current 2009/10 enrolment is 12 students

## Dental Clinician Scientist Program

- For students planning a career that combines research with clinical dentistry
- Students complete MSc or PhD training with an established dental research scientist, followed by the DDS program
- Two students are accepted each year to the program; there are currently 11 students enrolled

## MD/MSc in Oral and Maxillofacial Surgery Program

- Six-year specialty postgraduate dental program started in 2007
- Focuses on extensive clinical training in surgical correction of dentofacial deformities, maxillofacial trauma, pathology, reconstructive, dentoalveolar and implant surgery, and ambulatory anesthesia
- Three candidates are currently enrolled in Year 1, 2 and 3 of the program respectively

# Other Programs

## General Practice Residency (Dentistry)

- Four students are accepted annually to the one-year program

## Accessibility for Students of Indigenous Origin

- Schulich Medicine earmarks three positions in each entering MD class for First Nations, Métis and Inuit students; Schulich Dentistry earmarks one position in each entering DDS class. For 2009/10, a total of 10 students of self-identified Indigenous origin are enrolled in Medicine and one in Dentistry.
- A part-time Indigenous Liaison Counsellor is available within the office of Admission and Student Affairs to counsel current students and foster future recruitment



# Office of Interprofessional Health Education and Research (IPHER)

- The Office of Interprofessional Health Education and Research was created in 2007 as a joint project with the Faculty of Health Sciences to move interprofessional education and collaborative practice into the mainstream teaching and practice of health programs

## 2009 Highlights

- **IPE Faculty Survey:** assisted Dr. Margaret Steele in designing, implementing and analyzing data from her IPE Faculty Survey. The outcome resulted in a further component to the study involving faculty focus group interviews. The themes that emerge will assist in shaping CME programs related to IPE.
- **IPE Presentations:** The IPHER Coordinator and Dr. Margaret Steele provided a session on IPE to all of the residents in August. Another session was provided to the Year 1 undergraduate medical class
- **IPE Taskforce:** an IPE Taskforce has been established by the Dean to ensure that IPE is embedded within and across the medical education programs. Dr. Margaret Steele chairs this group. The IPHER Coordinator is a member of this taskforce which allows for integration of direction for IPE teaching across all health programs including SWOMEN.
- The Taskforce has reviewed the concept of requiring all medical students to conform to the Proposed IPE Non-Specified Credit Proposal from the IPHER Curriculum Committee. If adopted all medical students would be required to demonstrate participation in IPE activities before they graduate.
- working on an approach to demonstrate how IPE content can be embedded into existing course content in undergraduate medicine. A research study has been submitted to follow the next class of incoming students who complete the IPE component through an online module and its impact on their long term attitudes towards and collaborative working with other health professionals.

# Office of Interprofessional Health Education and Research (IPHER)

- **Standardized Patient Program** – The IPHER Office has utilized SPs in its Sensitization Workshop series over the past three years. The outcome has been an expansion of the roles of SPs in UG education beyond Schulich. Participating SPs have also become the strongest recruiters to stimulating medical student participation in IPE Sensitization Workshops and other IPE activities with up to 12 to 14 medical students attending when often we would see only 1 or 2 at the most.
- **Student Run Clinic** – set up a unique Interprofessional Care Model within two of London’s low cost housing units.
- This model incorporated establishing Nurse Practitioner run clinics with Family Physician consultation support and IPE student designed and delivered health promotion and prevention programs.
- These sites have become a logical place for a group of eager medical and other health professional students to provide weekend coverage in one of these sites. The President of Schulich Medicine’s Hippocratic Society and Chair of LIHSA (London Interprofessional Healthcare Students Association) are working jointly to develop a proposal and business plan to provide this service.
- **Schulich-CSTAR Interdisciplinary Surgical School Initiative** – A third-year medical students working with the Manager of CSTAR, and Dr. Marjorie Johnson to provide a pilot summer school where medical and nursing students learn how to work within an interprofessional team environment while also learning hands-on surgical skills.
- **IPE Team Development Learning** – Through the support of Dr. Jatindar Takar of the Continuing Professional Development office IPHER was able to obtain CME credits for physician faculty to complete the online IPE Team Development Module series. This will assist in encouraging physicians to gain a more in-depth understanding of what constitutes collaborative practice.

# Office of Interprofessional Health Education and Research (IPHER)

- **IPE Teaching Certificate Program** – Three physicians/Schulich faculty members completed this program offered once a year through IPHER. Participants are required to develop cross-disciplinary IPE learning activities.
- **Developed and submitted a research proposals with Schulich faculty (awaiting outcomes from CIHR)**
  1. With Dr. Rob Petrella to study the Transitions in Diabetic Patients' Roles within Interprofessional Collaborative Teams.
  2. With Dr. Margaret Steele and other colleagues in Study of the Adoption of Interprofessional Collaborative Practice Among Health Provider Teams.
- **Medical Student Mentoring** – Assisted a medical student in shaping her IPE ethics survey of medical students about their learning of CanMEDS Competencies related to IPE
- Guided a group of 8 medical students who were successful in an IPHER competition for development of an IPE/IPCP board game to incorporate interprofessional learning from the perspective of several health professionals. This work significantly expanded their understanding of interprofessional collaborative practice and the knowledge, skills, and roles of other health professionals. IPHER now has an IPE/IPCP Board Game and we will be exploring its printing and distribution

# Centre for Education Research and Innovation

- The Centre opened in September 2009, with the support of the SSMD and the Department of Medicine
- As a UWO Senate-approved research centre, our mandate is
  - To **Develop** programmatic research
  - To **Mentor** education researchers
  - To **Promote** interdisciplinary inquiry
  - To **Lead** nationally & internationally
- Our team
  - **Lorelei Lingard, PhD, Founding Director, Professor in the Department of Medicine and the Faculty of Education**
  - **Mark Goldszmidt, MD, MHPE, FRCPC, Associate Director, Associate Professor, Department of Medicine**
  - **Elaine Zibrowski, MSc, Manager & Research Consultant**
  - **Allan McDougall, MA, Research Associate**
  - **Holly Ellinor, BSc, Program Assistant**

# Centre for Education Research and Innovation

## Centre Initiatives

- **The Education Research Fellowship**
  - Intended for Masters-trained clinical educators
  - Provides mentorship, collaboration and protected time for faculty to develop a sustainable research program
  - Department Chairs commit to ongoing support for faculty to take up departmental clinician-educator-research role Supported by AMOSO Opportunities Fund and the Ministry of Health & Long-term Care
  
- **The Medical Education Research Fellowship**
  - Intended for PhD-trained faculty engaged in medical education research
  - Provides mentorship and protected time for faculty to advance their education research program with Centre collaborators
  - Supported by the Ministry of Health & Long-Term Care
  
- **The Masters' Forum**
  - Intended for faculty currently enrolled in a Masters of Education programs
  - Establishes a community for mentorship and support during Masters research projects
  - Helps to develop research networks for collaboration across departments

# Centre for Education Research and Innovation

## Achievements

### Scholarly publications by Centre researchers and collaborators

- 22 articles published or accepted for publication in journals including *Academic Medicine*, *Advances in Health Sciences Education*, *British Medical Journal*, *Qualitative Health Research*, and *Teaching & Learning in Medicine*
- 2 book chapters

### Grants

- 2010-12 AMOSO Opportunities Fund
- 2009-11 SSHRC Research Development Initiatives Grant
- 2009-10 Faculty Support for Research in Education
- 2009-10 Internal SSHRC Grant

### Conferences:

#### 2010 Canadian Conference in Medical Education (CCME)

- Two workshops and six short orals to be presented

#### 2009 First Annual CERl Education Research Symposium

- 58 attendees (attendance increased over previous years)
- 20 local short oral presentations

# Continuing Professional Development

## 2008/09 Highlights

- In 2009, Continuing Medical Education merged with the Faculty and Staff Development office to form one unit called “Continuing Professional Development”
- Developed and conducted 12 live full day courses and workshops from May 2008 through May 2009
- Approved over 170 courses and workshops for CME credits on behalf of Schulich departments
- Developed and distributed accredited Self-Assessment Program in Carcinoid-Type NET<sup>cs</sup>
- Developed and distributed Personal Learning Program in Multiple Sclerosis
- Developed and implemented 19 accredited online programs to assist in fulfilling our mandate to provide physicians with tools to facilitate self-directed learning
- Delivered “Managing Bias in CME” workshops and posters at the University of Toronto, June 2008 and at the Alliance for CME Conference in Orlando, Florida in January 2008
- Developed and implemented a new webinar educational series in Depression in collaboration with DEEP-Care with funding from the Southwest LHIN
- Offered Levels II and III of the Physician Management Institute from the CMA
- Offered a two-day custom-designed program for experienced and emerging academic leaders in collaboration with the Richard Ivey School of Business
- Provided eight research-building workshops in collaboration with the Schulich Research Office
- Offered a workshop in collaboration with the Teaching Support Centre for graduate supervisors
- Delivered a Fall teaching retreat and several workshops in Windsor to support SWOMEN faculty
- Delivered customized workshops at Schulich for the College of Physicians and Surgeons of Ontario

# Continuing Professional Development

## Key Program Statistics 2008/09

Courses approved for Mainpro M1 Credits (CFPC)	135*
Courses approved for Maincert Section 1 Credits (RCPSC)	170*
Online courses developed	16
Self-Assessment Programs developed and implemented	1
Programs with full conference management services provided by the CPD office	12
Participants Educated	10,069**
Participant-hours of Education delivered	46,016**
Physicians in Southwestern Ontario catchment area	4,041

- **117** courses were accredited for both Mainpro M1 (College of Family Physicians of Canada) and Maincert Section 1 (Royal College of Physicians and Surgeons of Canada)

- Offered a total of **75** workshops with a total enrolment of **1,211**

- Offered the following awards and grants:

- five Mini Fellowships with a total value of **\$14,399**

- eight Instructional Innovation and Development Fund awards for a total of **\$37,829**

- three Faculty Support for Research in Education grants for a total of **\$25,000**

# Continuing Dental Education (CDE)

## Continuing Dental Education Program Summary 2000 to 2008

- Offers a wide range of clinically relevant, basic science and business programs.
- Custom programming is a unique part of CDE, delivering hands-on programs to study groups, dental societies or on an individual basis

Year	Programs	Student Special Topics	Custom Programs	Participants
2000-01	27	-	8	706
2001-02	26	-	15	614
2002-03	30	13	10	662
2003-04	34	18	6	765
2004-05	41	24	5	715
2005-06	38	25	12	753
2006-07	35	29	11	785
2007-08	28	31	5	825
2008-09	26	31	8	789
2009-10	20	33	8	665

# Clinical Skills Learning Program

## 2008/09 Highlights

- **Creation and implementation of teaching and assessment sessions for new, non-Schulich users including Fanshawe College Nursing, Radiology, Respiriology as well as research studies and teaching sessions for Western's Nursing program**
- **Implementation of new and continued growth of current OSCEs for residency programs including Surgery, PMR, Pediatrics**
- **Implementation of Genital/Rectal Patient-Centred Clinical Methods for Year 2 students into the curriculum (no longer a "special session")**

## Key Program Statistics

- **380 active Stimulated Patients (waiting list of 100)**
- **55 active Volunteer Patients**
- **More than 6,000 contact hours (including teaching and evaluation) with Undergraduate medical students**

## Supporting

- **1,500 faculty members, 540 Undergraduate medical students, 600+ Postgraduate residents and fellows, 250 dental students**
- **numerous other healthcare providers including Pharmacy, Social Work, Physiotherapy, Nursing**
- **external organizations including Medical Council of Canada, Pharmacy Examining Board of Canada, College of Physicians and Surgeons of Ontario, Society of Obstetricians and Gynecologists of Canada**

# Evaluation

Formerly a part of the Education Research and Resources Unit, the Evaluation unit develops and facilitates the ongoing programmatic evaluation of Schulich educational programs including:

- Assessing and evaluating instructional methods in use at Schulich
- Reviewing the equivalency between distributed and on-campus learning experiences
- Coordinating the distribution of Surveys for Medicine and Dentistry (end-of-course, end-of-rotation, and Western Course & Instructor Surveys) resulting in the distribution of over 50,000 surveys each academic year
- Providing information that documents Schulich Medicine & Dentistry's success in achieving the competencies and requirements of its educational programs

## 2008/09 Highlights

- Program evaluation of undergraduate medical education Yr 1 courses, Yr 2 courses, Transition Period and Clerkship rotations for the 2008-2009 academic year
- Completion of a report which analyses end-of-course surveys across the curriculum to track improvements in all Undergraduate Medical courses at the year one and two level
- Review of SWOMEN mission, program objectives and evaluations to ensure that the office is reviewing areas core to its mandate
- Updated report on the AAMC Graduation Surveys; analysis of the Schulich Survey/Canada survey for the 2008 graduation year
- Development, facilitation and analysis of the Dentistry Graduation Survey
- Development of a methodology and survey tools for the evaluation of Graduate Studies courses and Graduate Studies supervisors
- Other evaluation projects related to the education enterprise at Schulich

# Financial Accessibility



The Schulich School of Medicine & Dentistry is committed to providing more financial assistance per student than any other medical or dental school in Canada.

# Financial Accessibility

To ensure an outstanding education is available for all, financial assistance for students in need takes top priority at Schulich Medicine & Dentistry. The Schulich Scholarships, funded through a generous endowment from the School's benefactor, Seymour Schulich, and matched by government grants, provide major support to students in the MD program, in the DDS program and in graduate studies.

## Schulich Scholarships

Program	Annual recipients	Value per year per student	Total value per student for length of program	Total annual value of scholarships
Medicine	63	\$20,000	\$80,000	\$1,260,000
Dentistry	15	\$10,000	\$40,000	\$150,000
Graduate Studies – Basic Medical Sciences	50+	\$15,000 (\$5,000 Schulich \$15,000 OGS/OGSST*)	Depends on length of program	\$750,000+

\*OGS/OGSST stands for Ontario Graduate Scholarships and Ontario Graduate Scholarships in Science and Technology

# Financial Accessibility

## Financial Assistance for Medicine and Dentistry Students 2008/09

Type of Assistance	Program	Number Available	Total Value
Needs-Based Scholarships	Medicine – Schulich Awards	63	\$1,260,000
	Medicine – Other	141	\$582,954
	Dentistry – Schulich Awards	15	\$150,000
	Dentistry – Other	6	\$6,400
	<b>Subtotal</b>		<b>\$1,999,355</b>
Privately Funded Bursaries	Medicine	130	168,400
	Dentistry	17	15,570
	<b>Subtotal</b>	<b>147</b>	<b>\$183,970</b>
Institutional Bursaries	Medicine	433	1,848,750
	Dentistry	204	\$1,178,580
	<b>Subtotal</b>	<b>637</b>	<b>3,027,330</b>
<b>TOTAL</b>		<b>1093</b>	<b>\$5,210,655</b>

# Financial Accessibility

## Financial Assistance Available for Graduate Students

Type of Scholarship	Number Awarded 2009/2010 (Fiscal 2009)	Total Awarded as of Nov. 1	
<b>OGS, OGSST, SSHRC, NSERC &amp; CIHR Scholarships</b> (matching funds, competitive)	<b>168</b>	<b>\$3,500,100</b>	
<b>Schulich Graduate Scholarships &amp; Western Graduate Research Scholarships</b> (competitive)	<b>481</b>	<b>\$2,722,714</b>	
<b>Schulich Graduate Incentive Funding</b>	<b>variable</b>	<b>\$293,867</b>	
<b>TOTAL</b>	<b>649+</b>	<b>\$6,516,681</b>	

# Focused, Innovative Research



Our shared, city-wide vision and growing regional vision for health research provides a dynamic environment where investigators maximize resources for the greatest benefit to their work. This synergy of resources and expertise has earned the School international recognition as a research leader in key areas.

# Research

## 2009 Highlights

- **18 operating grants worth \$9.55 million from CIHR were received in Summer 2009 for health research at Schulich, Robarts, Lawson, and partner faculties at Western**
- **Dr. Alp Sener was selected to receive the second Schulich Clinician Scientist Award**
- **\$3.97 million received from the Ontario Research Fund to support Schulich research led by Doug Hamilton, Joan Knoll, Terry Peters, Tim Regnault, Peter Rogan, and Samuel Siu**
- **Canada Excellence Research Chair in Neuroscience one of two finalists in competition from Western; recipient receives up to \$10 million in funding over seven years**
- **Aaron Fenster, Rennian Wang, and Kaiping Yang each received grants through CIHR's China-Canada Joint Health Research Initiative.**
- **Three Canada Research Chairs were renewed in their terms:**
  - **Moira Stewart, Dr. Brian W. Gilbert Canada Research Chair in Primary Care**
  - **Gary Shaw, Canada Research Chair in Structural Neurobiology**
  - **Miguel Valvano, Canada Research Chair in Infectious Diseases and Microbial Pathogenesis**
- **The Department of Obstetrics & Gynecology is part of the new NeuroDevNet Network (led by UBC) which will study ways to reduce the long-term costs to the health care system through early intervention and effective treatment of children with developmental brain disorders**

## Canada Research Chairs and Current Chairholders

Western currently holds **68** Canada Research Chairs; **22** are at Schulich Medicine & Dentistry

Frank Beier	Canada Research Chair in Musculoskeletal Health (Tier 2)
Ann Chambers	Canada Research Chair in Oncology (Tier 1)
Lique Coolen	Canada Research Chair in Neurobiology of Motivation and Reward (Tier 2)
Sean Cregan	Canada Research Chair in Neurodegeneration and Stem Cell Regeneration (Tier 2)
Timothy Doherty	Canada Research Chair in Neuromuscular Function in Health, Aging, and Disease (Tier 2)
Aaron Fenster	Canada Research Chair in Medical Imaging (Tier 1)
Stephen S.G. Ferguson	Canada Research Chair in Molecular Neurobiology (Tier 1)
Victor Han	Canada Research Chair in Fetal and Maternal Health (Tier 1)
Robert A. Hegele	Edith Schulich Vinet Canada Research Chair in Human Genetics (Tier 1)
Morris Karmazyn	Canada Research Chair in Experimental Cardiology (Tier 1)
Dale W. Laird	Canada Research Chair in Gap Junctional Intercellular Communication and Disease (Tier 1)

## Canada Research Chairs and Current Chairholders

<b>Shawn Li</b>	<b>Canada Research Chair in Functional Genomics and Cellular Proteomics (Tier 2)</b>
<b>Joaquin Madrenas</b>	<b>Canada Research Chair in Transplantation and Immunobiology (Tier 1)</b>
<b>Charles McKenzie</b>	<b>Canada Research Chair in Parallel Magnetic Resonance Imaging (Tier 2)</b>
<b>Ravi S. Menon</b>	<b>Canada Research Chair in Functional and Molecular Imaging (Tier 1)</b>
<b>Bryan Richardson</b>	<b>Canada Research Chair in Fetal/Neonatal Health &amp; Development (Tier 1)</b>
<b>Peter Rogan</b>	<b>Canada Research Chair in Genome Bioinformatics (Tier 1)</b>
<b>Gary S. Shaw</b>	<b>Canada Research Chair in Structural Neurobiology (Tier 1)</b>
<b>Moira Stewart</b>	<b>Dr. Brian W. Gilbert Canada Research Chair in Primary Health Care (Tier 1)</b>
<b>Amardeep Thind</b>	<b>Canada Research Chair in Health Services Research (Tier 2)</b>
<b>Miguel A. Valvano</b>	<b>Canada Research Chair in Infectious Diseases and Microbial Pathogenesis (Tier 1)</b>
<b>Charles Weijer</b>	<b>Canada Research Chair in Bioethics (joint Chair with Dept. of Philosophy, Tier 1)</b>

## Notable Publications

Selected publications of note from 2008/09 and early 2010 include:

- **Spence JD, Coates V, Li H, Tamayo A, Munoz C, Hackam DG, Diccico M, Desroches J, Bogiatzi C, Klein J, Madrenas J, Hegele RA.** Effects of intensive medical therapy on microemboli and cardiovascular risk in asymptomatic carotid stenosis. *Archives of Neurology*. 67(2):180-6, 2010 Feb.
- **Lara A, Damasceno DD, Pires R, Gros R, Gomes ER, Gavioli M, Lima RF, Guimarães D, Lima P, Bueno Jr CR, Vasconcelos A, Roman-Campos D, Menezes CAS, Sirvente RA, Salemi VM, Mady C, Caron MG, Ferreira AJ, Brum PC, Resende RR, Cruz JS, Gomez MV, Prado VF, de Almeida AP, Prado MAM, and Guatimosim S.** Dysautonomia due to reduced cholinergic neurotransmission causes cardiac remodeling and heart failure. *Mol. Cell. Biol.* doi:10.1128/MCB.00996-09/2010 Feb.
- **Veselka N, McErlain DD, Holdsworth DW, Eger JL, Chhem RK, Mason MJ, Brain KL, Faure PA, Fenton MB.** A bony connection signals laryngeal echolocation in bats *Nature*. 2010 Feb 18;463(7283):939-42.
- **Ribeiro FM, Paquet M, Ferreira LT, Cregan T, Swan P, Cregan SP, Ferguson SS.** Metabotropic glutamate receptor-mediated cell signaling pathways are altered in a mouse model of Huntington's disease. *J Neurosci*. 2010 Jan 6;30(1):316-24.
- **Atabakhsh E, Bryce DM, Lefebvre KJ, Schild-Poulter C.** RanBPM has proapoptotic activities that regulate cell death pathways in response to DNA damage. *Mol Cancer Res*. 2009 Dec;7(12):1962-72. Epub 2009 Dec 8.
- **E Webb, S Thomson, A Nelson, C White, G Koren, M Rieder, and S Van Uum.** Assessing individual systemic stress through cortisol analysis of archaeological hair. doi:10.1016/j.jas.2009.11.010.

# Research

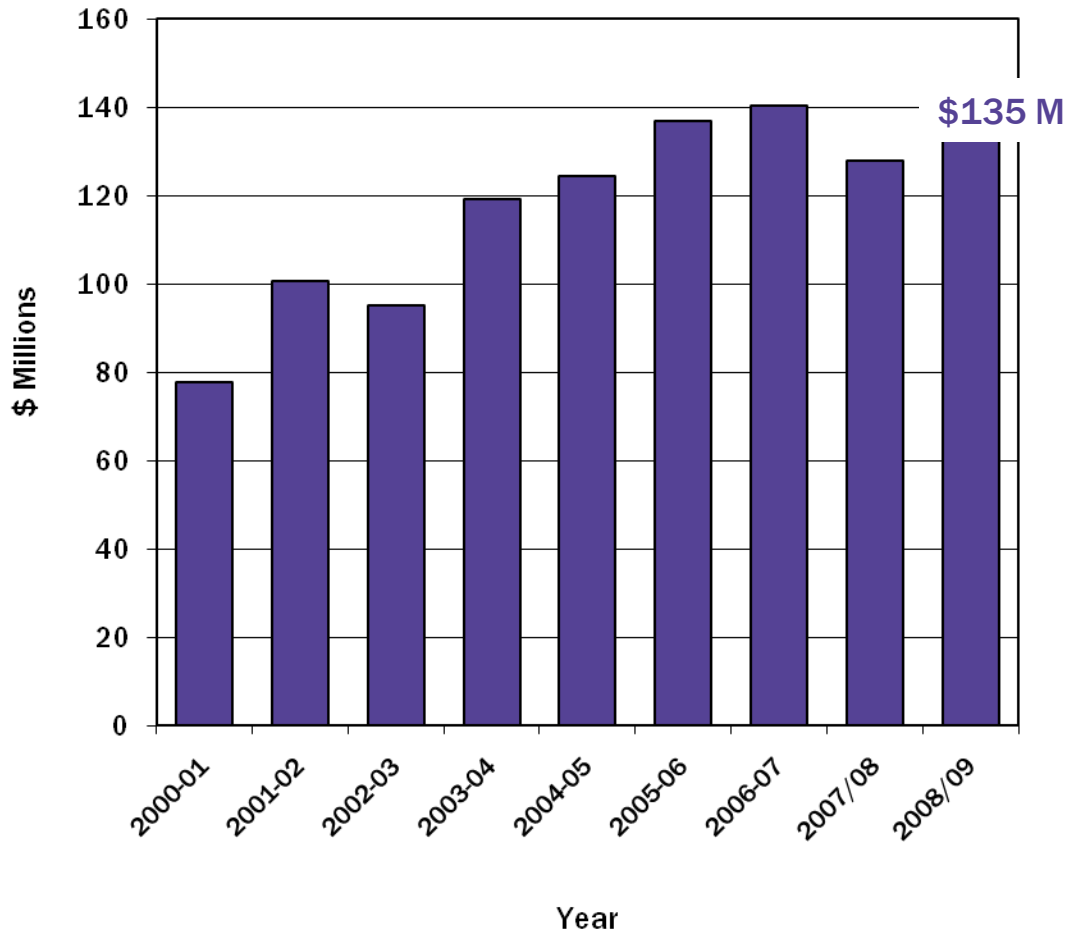
- **Ferreira LT. Dale LB. Ribeiro FM. Babwah AV. Pampillo M. Ferguson SS.** Calcineurin inhibitor protein (CAIN) attenuates Group I metabotropic glutamate receptor endocytosis and signaling. *Journal of Biological Chemistry.* 284(42):28986-94, 2009 Oct 16.
- **Hackam DG.** Angiotensin receptor blockers should be regarded as first-line drugs for stroke prevention in both primary and secondary prevention settings: yes. *Stroke.* 40(9):3159-60, 2009 Sep.
- **Ciszkowski C, Madadi P, Phillips MS, Lauwers AE, Koren G.** Codeine, ultrarapid-metabolism genotype, and postoperative death. *New England Journal of Medicine.* 2009 Aug 20;361(8):827-8
- **Young GB.** Clinical practice. Neurologic prognosis after cardiac arrest. *New England Journal of Medicine.* 361(6):605-11, 2009 Aug 6.
- **Mulvihill EE, Allister EM, Sutherland BG, Telford DE, Sawyez CG, Edwards JY, Markle JM, Hegele RA, Huff MW.** Naringenin prevents dyslipidemia, apolipoprotein B overproduction, and hyperinsulinemia in LDL receptor-null mice with diet-induced insulin resistance. *Diabetes.* 2009 Oct;58(10):2198-210. Epub 2009 Jul 10.
- **Chau TA. McCully ML. Brintnell W. An G. Kasper KJ. Vines ED. Kubes P. Haeryfar SM. McCormick JK. Cairns E. Heinrichs DE. Madrenas J.** Toll-like receptor 2 ligands on the staphylococcal cell wall downregulate superantigen-induced T cell activation and prevent toxic shock syndrome. *Nature Medicine.* 15(6):641-8, 2009 Jun.
- **Capoccia, BJ, Levac KD, Maxwell DJ, Hohm SA, Neelamkavil M, Robson D, Bell GI, Xenocostas A, Link DC, Piwnica-Worms D, Nolte JA, Hess DA.** Revascularization of ischemic limbs by human bone marrow cells purified by aldehyde dehydrogenase activity. (2009) *Blood* 113(21): 5340-535

# Research

- **Feldman RD, Zou GY, Vandervoort MK, Wong CJ, Nelson SA, Feagan BG. Zheng X. Vladau C. Zhang X. Suzuki M. Ichim TE.** A simplified approach to the treatment of uncomplicated hypertension: a cluster randomized, controlled trial. *Hypertension*. 2009 Apr;53(4):646-53
- **Zhang ZX. Li M. Carrier E. Garcia B. Jevnikar AM. Min WP.** A novel in vivo siRNA delivery system specifically targeting dendritic cells and silencing CD40 genes for immunomodulation. *Blood*. 113(12):2646-54, 2009 Mar 19.
- **Hachinski V.** Shifts in thinking about dementia. *JAMA*. 300(18):2172-3, 2008 Nov 12.
- **Pioro M. Mykitiuk R. Nisker J.** Wrongful birth litigation and prenatal screening. *CMAJ Canadian Medical Association Journal*. 179(10):1027-30, 2008 Nov 4.

# Research

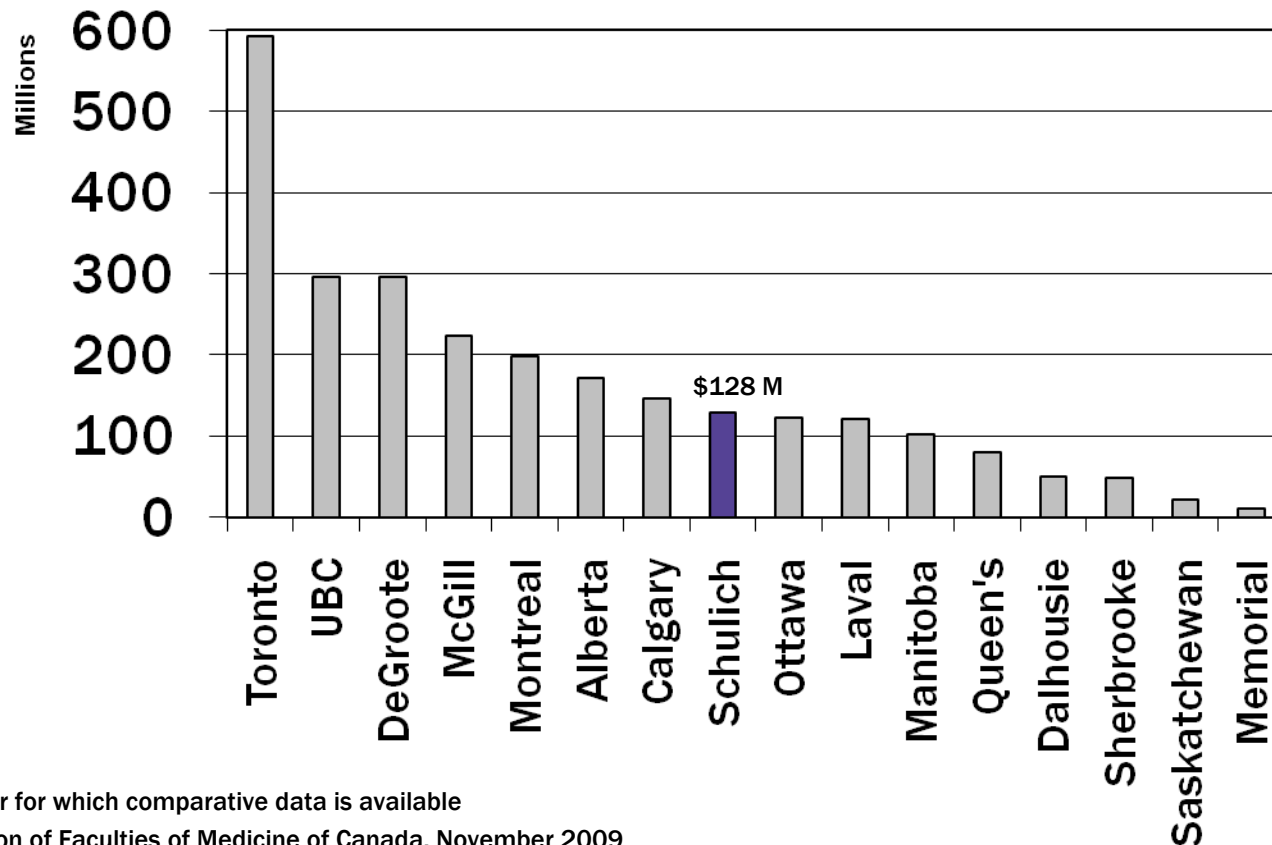
## Research Funding 2000/01 – 2008/09



- Approximately 32 per cent of research funding is provided by federal agencies and approximately 20 per cent is from Canadian and foreign industry; the balance is provided through provincial funding, Canadian and foreign charitable institutions, local support and internal funding.
- The largest single source of support is the Canadian Institutes of Health Research.
- Schulich researchers account for almost two thirds of total research funding at Western.

# Research

## Biomedical and Health Care Research Funding: Comparison of Canadian Medical Schools 2007/08\*



\*most recent year for which comparative data is available

Source: Association of Faculties of Medicine of Canada, November 2009

# Robarts Research Institute



Formerly a private institution affiliated with Western and London Health Sciences Centre, Robarts Research Institute was integrated into the University and Schulich Medicine & Dentistry in 2007.



# Robarts Research Institute

- Robarts Clinical Trials was awarded a \$4.7 million grant to conduct a randomized controlled trial evaluating treatment options for Crohn's disease.
- \$5 million (\$2.5 million each from the Canada Foundation for Innovation and Ontario Research Fund) for research to improve image-guided minimally invasive surgical techniques
- \$1.65 million from NSERC CREATE program in support of the Centre for Brain and Mind and CSTAR to study Computational Approaches to Sensorimotor Transformations for the Control of Action
- David Hess awarded top award for New Investigators from Heart and Stroke Foundation of Canada
- Calvin Stiller, one of Robarts founders, was named a 2010 Canadian Medical Hall of Fame inductee
- Henry JM Barnett received the Karolinska Stroke Award for Excellence in Stroke Research, becoming the first non-European to receive this prestigious award.
- Robarts Clinical Trials Director, Dr. Brian Feagan, was awarded the 2009 Hellmuth Prize, Western's highest honour for achievement in research
- Completed renovation of the 7<sup>th</sup> floor to accommodate new neuroscience research laboratory
- Premier Dalton McGuinty visited to officially reopen the Centre for Functional and Metabolic Mapping in the AM Cuddy Wing. The Ontario Ministry of Research and Innovation provided \$12 million to renovate the facility and acquire two new MRI machines, a 3-Tesla and a 7-Tesla magnet, which is the most powerful of its kind in Canada
- London Health Sciences Centre's University Hospital was the first in North America to install Robarts technology developed to help guide neurosurgery. The robotic-arm neuro-angiogram generates 3D images during surgery to guide clinicians and improve safety for patients.
- Numerous successful publications in high profile journals resulting in international media coverage
- Continued to face challenges to growth as a result of difficult economic environment

# Awards



Both internal and external awards provide recognition for the professional achievements and dedication of our faculty, staff and students.

# Awards

## Schulich Medicine & Dentistry Internal Awards 2008

### Undergraduate Education

Jonathan Hore	Schulich Distinguished Leader Award in Education
Joaquin Madrenas	Schulich Leader Award in Education
David Colby	Schulich Educator Award
Kirk Lawlor	Schulich Educator Award
Keith Sequeira	Schulich Educator Award

### Graduate/Postgraduate

George Klein	Schulich Distinguished Leader Award in Education
Ken Faber	Schulich Educator Award
Mark Goldszmidt	Schulich Educator Award

### Dean's Awards of Excellence for Faculty (Research)

Ian Chin-Yee	Dale Laird
James Choy	Elizabeth Osuch
Qingping Feng	
TEAM AWARD: Rorabeck-Bourne Joint Replacement Clinic	

### Dean's Awards of Excellence for Staff

Kim Arts  
Kris Dundas  
Diane Geurkink  
Elaine Zibrowski

### Lifetime Achievement Award: Chil-Yong Kang

# Awards

## Selected 2009/10 Awards and Honours from External Agencies and Western

<b>Paul Adams</b>	<b>Canadian Liver Foundation/Canadian Association for the Study of the Liver Gold Medal</b>
<b>Neil Arya</b>	<b>College of Family Physicians of Canada Geeta Gupta Equity and Diversity Award</b>
<b>George Athwal</b>	<b>US Bone and Joint Decade Young Investigator Initiative Program</b>
<b>William Avison</b>	<b>Leonard I. Pearlin Award for Distinguished Contribution to the Sociological Study of Mental Health, American Sociological Association</b>
<b>Jack Bend</b>	<b>Western Distinguished University Professor</b>
<b>Frank Beier</b>	<b>Western Faculty Scholar Award</b>
<b>Alan C. Burton</b>	<b>2010 Inductee, Canadian Medical Hall of Fame (posthumous)</b>
<b>Marianne DeGorter</b>	<b>Vanier Canada Graduate Scholarship</b>
<b>Brian Feagan</b>	<b>Western Hellmuth Prize for Achievement in Research</b>
<b>Sugantha Ganapathy</b>	<b>YMCA Women of Excellence Award</b>
<b>Murray Girotti</b>	<b>Martha Curgin Inspiration Award, London Health Sciences Foundation</b>
<b>Vladimir Hachinski</b>	<b>President of the World Federation of Neurology</b>
<b>Carol Herbert</b>	<b>Society for Executive Leadership in Academic Medicine (SELAM) International Award for Excellence</b> <b>Appointed to the Institute of Medicine of the U.S. National Academies</b> <b>Visiting Medical Research Professorship, Royal College of Physicians and Surgeons of Canada</b>
<b>David Hill</b>	<b>Canadian Diabetes Association Frederick G. Banting Award</b>

# Awards

<b>John Howard</b>	<b>Canadian Association of Medical Education (CAME) Certificate of Merit Award</b>
<b>Jonathan Izawa</b>	<b>Distinguished Alumni Award, MD Anderson Cancer Center</b>
<b>Andrew Krahn</b>	<b>2010 Edward G. Pleva Award, Western's highest award for teaching</b>
<b>Ken Leslie</b>	<b>Canadian Association of Medical Education (CAME) Certificate of Merit Award</b>
<b>Haley Linklater</b>	<b>Western Award of Excellence for Staff</b>
<b>Bob Litchfield</b>	<b>CIHR-CMAJ Top Canadian Achievement in Health Research</b>
<b>Patrick Luke</b>	<b>American Urological Association Gold Cystoscope Award</b>
	<b>Eminent Scientist of the Year, International Research Promotion Council</b>
<b>Richard McCalden</b>	<b>John Insall Award, The Knee Society</b>
<b>Robert McMurtry</b>	<b>James H. Graham Award, Royal College of Physicians and Surgeons of Canada</b>
<b>Terri Paul</b>	<b>Canadian Association of Medical Education (CAME) Certificate of Merit</b>
<b>Terry Peters</b>	<b>Fellow, Institute of Electrical and Electronics Engineers</b>
<b>Fred Possmayer</b>	<b>CIHR-CMAJ Top Canadian Achievement in Health Research</b>
<b>Lynne-Marie Postivit</b>	<b>CIHR Premier Young Researcher Award</b>
<b>Gregor Reid</b>	<b>Fellow, Canadian Academy of Health Sciences</b>
<b>Faisal Rehman</b>	<b>2010 Marilyn Robinson Award for Excellence in Teaching (Western)</b>
<b>Michael Rieder</b>	<b>Western Faculty Scholar Award</b>
<b>Peter Rogan/Joan Knoll</b>	<b>Stiller Centre Prize</b>
<b>Cecil Rorabeck</b>	<b>Honorary Degree, UWO – Doctor of Science</b>
<b>James Rourke (alumni)</b>	<b>Honorary Degree, UWO – Doctor of Science</b>
<b>Christopher Schlachta</b>	<b>Young Investigators Award, World Congress of Endoscopic Surgeons</b>
<b>Alp Sener</b>	<b>2009 Schulich Clinician Scientist Award</b>

# Awards

<b>Calvin Stiller</b>	<b>2010 Inductee, Canadian Medical Hall of Fame</b>
<b>Michael Strong</b>	<b>Western Distinguished University Professor Award</b>
	<b>Fellow, Canadian Academy of Health Sciences</b>
<b>Bill Wall</b>	<b>Lifetime Achievement Award, Canadian Society of Transplantation</b>
<b>Christopher Watling</b>	<b>Canadian Association of Medical Education (CAME) Certificate of Merit Award</b>
<b>Ken Wright</b>	<b>Ontario Dental Association Community Service Recognition Award</b>

# Internationalization



*Visit to West China School of Medicine*

A growing priority for the School is increasing our profile internationally. Whether it is through research, education or outreach, Schulich Medicine & Dentistry is making an impact on global health.

# Office of Global Health

## Office of Global Health

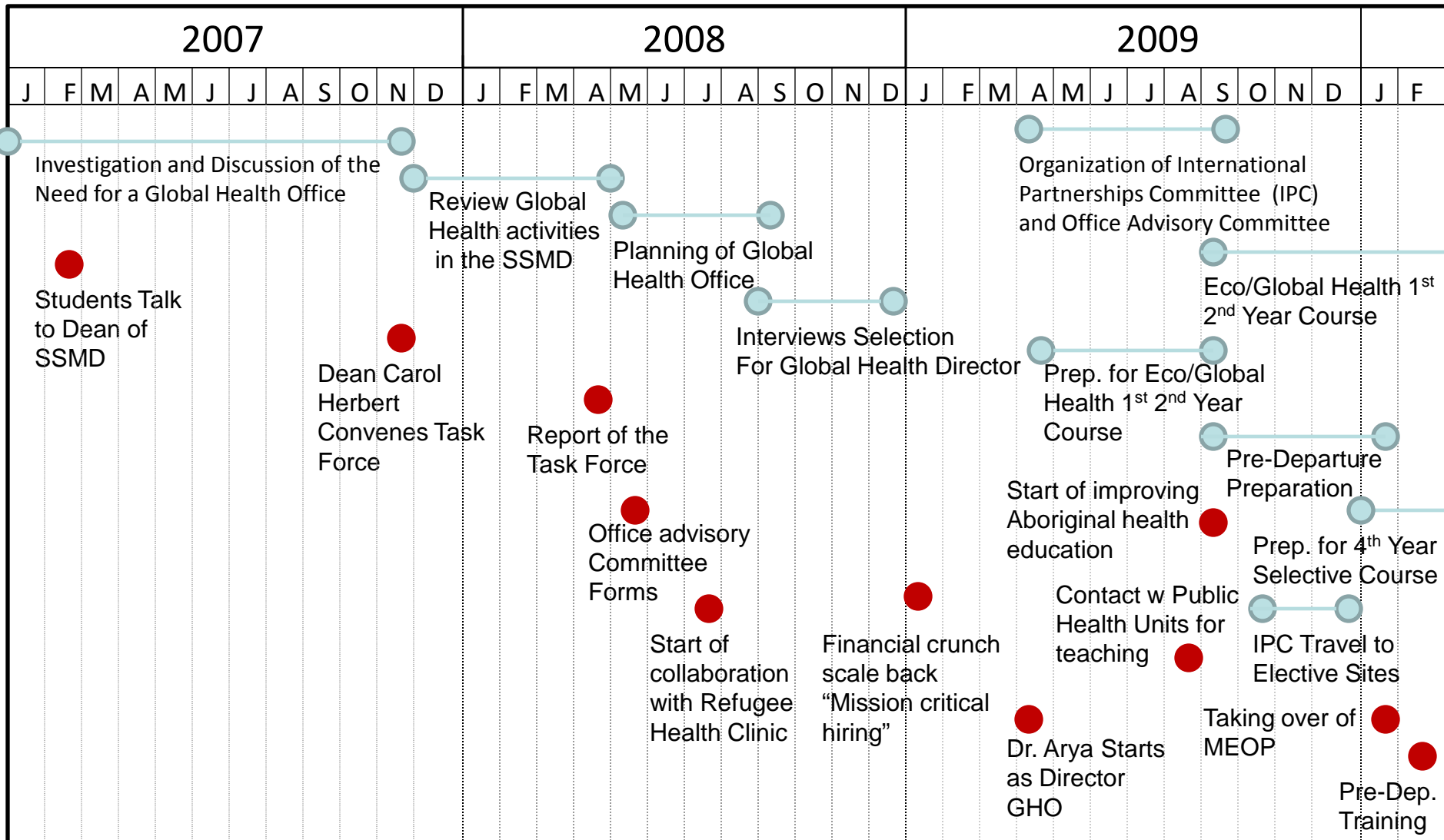
- The Office of Global Health was established as a result of a task force initiated in 2007/08 to help gather information on global health activities at the School and to make recommendations for how best to organize and promote global health and international opportunities.
- The Global Health Office encourages awareness, interest, knowledge acquisition and leadership in in area of Global Health by engaging students in international placements and partnerships, Ecosystem Health learning, and work with marginalized communities in Canada, with a focus on refugee health, people at risk for homelessness, aboriginal populations and other at-risk communities.

## Activities:

- **Curriculum:** Teaching, coordinating and expanding the Global Health/ Ecosystem Health course in Year 1 and 2 and the Year 4 Global Health selective both in scope and in hours.
- **Clinical Electives:** Pre-departure training, facilitation and coordination of funding for research, international placements and projects (including student-led ones such as Med(including recent additions in East Africa, Israel/Palestine, Sri Lanka/India, and Guatemala)Outreach, MSIC, IHI).
- **Facilitation:** Facilitating information exchange and coordination of each of these through our web page, links to student activities and reports, internal (SSMD, UWO) and external (Public Health, other universities, NGO, inter-professional).
- **Support and Liaising:** of student-led extra curricular projects, including Global Health Mentorship Program, TRAUMA project, Global and Ecosystem Health Interest Group, Ecosystem Health Mug and Compost Programs, etc.

# Office of Global Health

## Timeline of Activities 2007-February 2010



# Office of Global Health

## Project Links, Partnerships and Groups

- Medical Electives Overseas Program
  - MedOutreach
  - India Health Initiative
  - Medical Students' Initiative in China
  - Western Heads East
  - Global Ecosystem Health Interest Group
  - CFMS Global Health
  - UWO Helping Hands
  - Western Student Advocacy Alliance
- 
- The Office supports current and upcoming partnerships, programs and electives in: India/Sri Lanka, Israel/Palestine, Yemen, China, Tanzania, Rwanda, Kenya, Peru, Guatemala, as well as within marginalized communities in Canada and other global communities.
  - So far, fewer than 10 students (annually) have gone on overseas clinical elective programs to developing countries and fewer than 10 have participated in preclinical programs through the Global Health Office. The Office hopes to double the number of students who participate in both of these programs within the next three years.



# Internationalization

## New International Research Collaboration- West China School of Medicine

- Memorandum of Understanding signed with West China School of Medicine in October 2009 for research and education exchange

Near-term Educational objectives include:

1. Resident/fellow and faculty exchanges, beginning with Surgery in March, 2010 which will include procedures as well as prepare for resident/fellow visits.
2. Educator visits to explore health informatics and curricular development, especially to encourage health care workers to locate outside Chengdu in underserved areas.
3. Significant interest in simulation at West China School with excellent facilities which they would like accredited. There is mutual interest in developing curriculum and evaluation.
4. Graduate students from West China School will be considered for educational experience at Western, with potential for dual degrees. Possibility to enroll as Western graduate students.

Near-term Research objectives include:

1. Encourage joint ventures. Cancer link has been made by Jim Koropatnick and Weiping Min.
2. Research Workshop will be scheduled in 2010 to develop joint proposals by investigator groups.
3. Schulich Research Office is investigating potential business opportunities to provide Canadian products for use in Chengdu.
4. Support from Research Western including commitment to financial and in-kind contribution.
5. The Vice-President of Sichuan University has expressed interest in broadening the partnership beyond medical education and research.

# Internationalization

## Activities Initiated and Led by Students

### Global Health Funding Committee (GHFC) and the Global Health Electives Program (GHEP):

- The GHEP encourages students to seek purposeful global health learning opportunities through international electives that positively impact the student as well as the communities they visit. The GHEP will attempt to fund as many students as possible, at least in part, for their elective. Applications are reviewed by a committee selected by the GHO.
- The GHFC encourages student awareness, understanding, and contribution to global health by funding non-elective global health initiatives including research, workshops, and conferences

### Independent Summer Electives

- **MedOutreach:** Interdisciplinary student initiative, including medical, dental, and nursing students. Annually raises \$60,000 to promote and improve access to primary health prevention initiatives by providing year-round healthcare to a small population in Arusha, Tanzania. Students complete a summer clinical elective in a clinic in Arusha, Tanzania. To date the 2010 group has raised approximately \$11,000.
- **India Health Initiative:** Interdisciplinary student initiative, including medical, occupational therapy, and nursing students. Annually raises over \$10,000 to promote and deliver health care in India. Students complete a summer clinical and optional research elective each summer in NGOs in Tamil Nadu and Delhi. Last summer students worked in Amar Seva Sangam Ayikudi (Tenkasi), Families for Children (Coimbatore), Shanthi Bhavan (Chennai) and Amar Joyti (East Delhi).

# Internationalization

- **Medical Students Initiative in China:** Medical student initiative. Annually raises over \$8,000 to expose medical students to the spectrum of health care in China from rural villages to modern metropolitan hospitals. Students complete clinical electives in modern and traditional Chinese medicine with NGOs and assist with basic health screenings in rural and underserved areas.

## Events and Conferences

- **Hungry For Change Gala 2010 (HFC2010, Feb 26<sup>th</sup>):** An annual gala dinner event for physicians and students that focuses on Global Health education and fundraising. All ticket sales go towards global health initiatives at Schulich through the GHFC and GHEP funding committees. All proceeds from the silent auction go towards Haruma Children's Home. This year the theme was focused on Aboriginal Health and featured local aboriginal radio talents, a traditional aboriginal performance, and the melodies of the Schulich Singers and the Schulich Orchestra.
- **GETReady! Predeparture Training Conference 2010 (Feb 27<sup>th</sup>):** A conference designed for students planning to travel to resource-limited settings through international electives, research placements, or any other programs at home or abroad. This day featured seminars from numerous world-travelled speakers covering guidelines released by the Canadian Federation of Medical Students (CFMS) and the Association of Faculties of Medicine of Canada (AFMC)

## Schulich Global Health Advocacy Days – Major Campaigns

- **Schulich Meds for Haiti Campaign (Jan 2010):** Schulich medical students from all four years of medical school raised \$2,900 in January to help Haiti recover from the catastrophic 7.0M earthquake on January 12, 2010. As all donations were matched by the Federal Government, our efforts raised a total of \$5,800.

# Internationalization

- **Give a Day to World AIDS Campaign (Dec 2010):** In collaboration with the African Students Association and Free the Children at UWO, Schulich students raised awareness surrounding the international AIDS/HIV crisis. The month featured educational presentations and an African fashion show in the UCC Atrium, Dr. Anne-Marie Zajdlik speaking on her experiences in Tanzania through the Bracelet of Hope Campaign, a large red ribbon thought display, and numerous smaller ribbons. Students and faculty raised over \$1200 for the Stephen Lewis Foundation and Dignitas International, \$395 for the Bracelet of Hope Campaign, and \$50 for the AIDS Committee of London.

## Schulich Global Health Clubs and Interest Groups

- **Global and Ecosystem Health Interest Group (GEHIG):** Organizes the highly-acclaimed global health speaker series.
- **TRAUMA Project:** An opportunity for medical students to assist in providing screening and full medical history-taking and physical exams for incoming refugees through a partnership with the Cross Cultural Learner Centre (CCLC). The CCLC is a London organization that helps settle refugees, and is coordinated by Dr. Bhooma Bhayana.
- **MedLINK:** An opportunity for medical students here and in Rwanda to learn from one another while communicating via email. Medical students at Schulich are partnered with medical students from the National University of Rwanda, through a partnership instituted by Dr. Cechetto.

# Social Responsibility



*DOCS: Dental Outreach Community Services*

A strong health system depends on strong leaders committed to community.

# Social Responsibility

## MedQUEST: A Summer Camp for Future Health Care Professionals

- Initiated in 2005 by SWOMEN Rural/Regional; goals are to:
  - Encourage high school students from rural and regional Southwestern Ontario to enter medicine or other health care professions
  - Improve the quality of pre-clerkship summer electives for first- and second-year medical students who have the opportunity to experience rural and regional clinical environment as well as prepare and teach for MedQUEST
  - Engage Southwestern Ontario partner communities more effectively in the training continuum
  - Ultimately, help address the continuing doctor shortage in Southwestern Ontario communities

## 2009 Highlights

- Eight one-week camps ran in Chatham-Kent, Essex, Grey, Bruce, Oxford, Middlesex, Lambton, Huron and Perth with over 200 grade 10 and 11 students enrolled
- Seven camps planned for 2010 with projected 210 student enrolment, including a new program at Munsee Delaware First Nations
- Significant campus-community partnerships transcending municipalities, hospitals, allied health providers, physicians and nursing
- Incorporates disaster planning, a municipal-mandated exercise by the Provincial government

# Social Responsibility

## Community Development Programs

### Mini Medical School

- 6 lectures held October 1 to November 5, 2009
- Registration fee \$60
- Filled to capacity – 150 in attendance, 49 on the waiting list
- Very positive evaluations received, as in past years

### Physicians in Fiction

- Free book club with four sessions held in May in partnership with the Department of English
- Faculty from Schulich and English explore literary and health themes in selected works
- Well attended, very positive evaluations

### Medicine and History Series

- Free lecture series including 4 sessions held in March in partnership with the Department of History
- 298 attended

### Café Scientifique

- 4 lectures/discussion panels on research topics of interest held in January 2009
- 215 attended

### Videoconferenced Café Scientifique (November 2008)

- Provided 2 joint lectures between Windsor and London in partnership with University of Windsor faculty of Science
- 165 attended

# Social Responsibility

## 2010 Student-Led Initiatives

**Medical Student Activities:** 25 of 81 student groups continue direct involvement in the community:

Aboriginal Health Advocacy Group

B is for Book

Christian Meds and Dents Society

Cooking with Kids

Family Medicine Interest Group (FMIG)

Global and Ecosystem Health Interest Group (GEHIG)

Head For A Cure (HFAC)

Healthy Responsible Sexuality (HRS)

Help for the Homeless Charity Group

Hungry For Change (HFC)

Intergenerational Gala (IGG)

MedLINK

MedsOrchestra

Moving with Meds

Neuroscience Community Outreach Group (NCOG)

Organ Donation Awareness Group

Paediatric Interest Group

Schulich Singers

Schulich Windsor Outreach Team

Stitch n' Bitch (make hats for children in the NICU)

Student Medical Reform Group

TRAUMA Project

UWO Medical Journal

UWO Open Meds

Youth Action Centre (YAC)

# Social Responsibility

## Head For A Cure (HFAC)

- raised over \$8500 for the Camp Trillium, with 58 students shaving their heads or donating their ponytails of at least 8” to Pantene Beautiful Lengths Campaign
- The 2010 campaign runs from April 26 to 30, supporting Camp Trillium and hair donated will again go to Pantene Beautiful Lengths Campaign

## Intergenerational Gala (IGG)

- In 2009, 50 medical students, 10 dentistry students and about 75 seniors participated
- There were also about 20 medical students who performed as part of Schulich Singers and MedsOrchestra

## Tachycardia

- Raised approx. \$15,000 in 2009 for the AIDS Committee of London; over \$5,000 raised to date for 2010

## Family Medicine Interest Group hosts Clinical Skills Day

- There were 130 participants from first and second year, as well as 25 family physicians from the London and area community that assisted with the day

## Class Charities

Each class continues to support a charity; current charities include:

Class of 2010 – Rotholme Women’s and Family Shelter

Class of 2011 – Sleeping Children Around the World and Make A Wish Foundation

Class of 2012 – Camp Trillium

Class of 2013 – Children’s Wish Foundation

# Social Responsibility

## Dentistry Activities

### DOCS: Dental Outreach Community Services

- Headed by Dr. Wright, London community dentists assisted by third- and fourth-year students visit community centres with mobile dental units to diagnose and treat basic dental diseases
- Partnership with Fanshawe College Dental Hygiene program
- 153 patients seen in 2009; more than 20 clinics planned for 2010

### Oral Health, Total Health/Sharing Smiles Day 2010

- Schulich Dentistry students have developed a program to build relationships between future dental practitioners and individuals with developmental disabilities
- Students will gather with clients of Community Living London on April 10, 2010 to socialize and provide some oral health instruction

# Future Priorities

As we prepare to change decanal leadership within the School, we continue to work towards our ambitious strategic education and research goals. I believe we should continue to be aggressive and action-oriented in our planning and in recruitment of outstanding faculty and graduate students. I anticipate that our refreshed Strategic Plan will call us to action to:

- Increase integration between the School and our academic hospital partners
- Continue development of translational research capacity, including education research
- Find funding sources for medical education and integrated research space
- Improve communication and integration across SWOMEN, with special attention to the Windsor Program
- Develop focused international partnerships to build on our education and research strengths