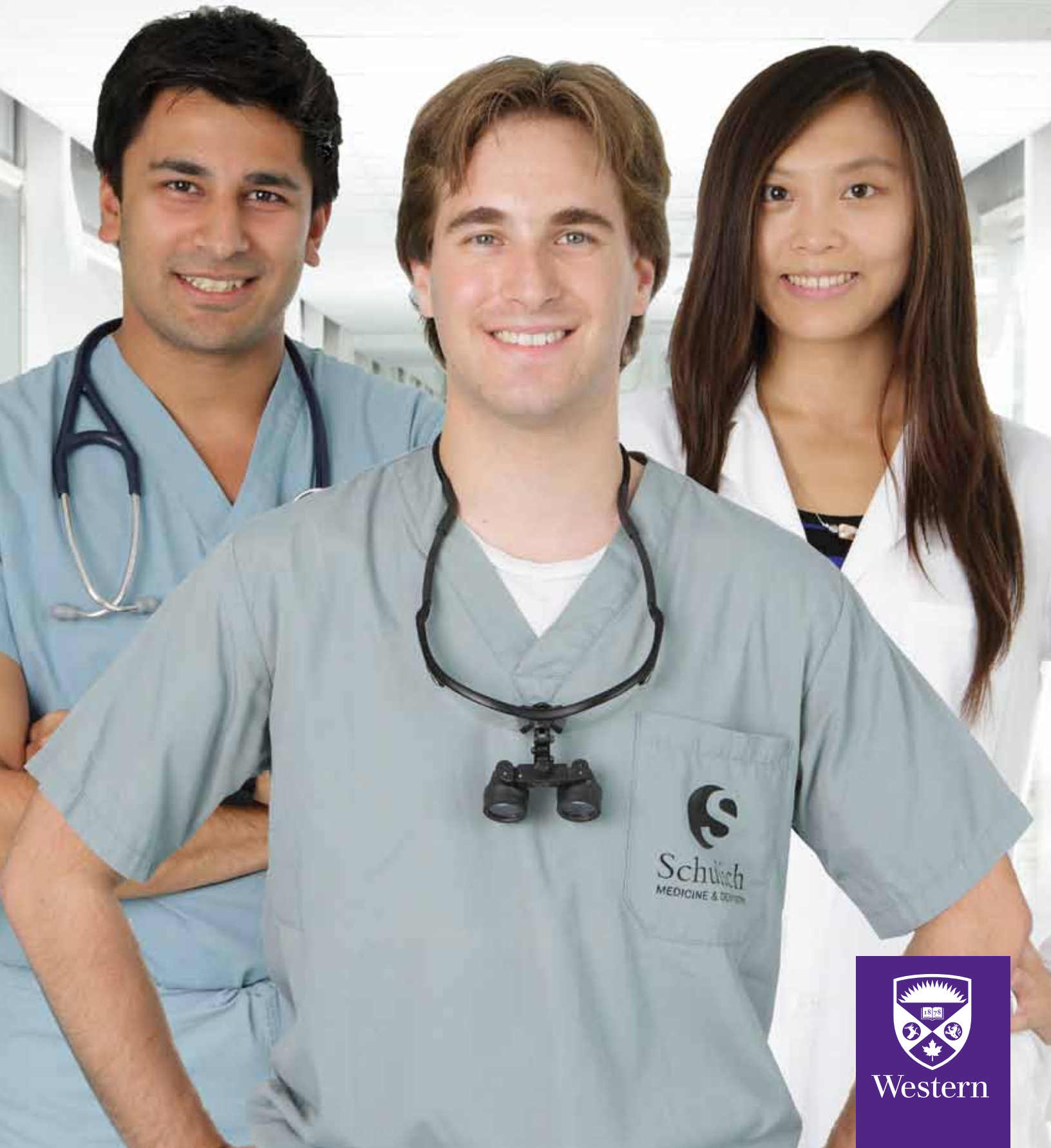




Schulich
MEDICINE & DENTISTRY

THE DEAN'S REPORT

SCHULICH SCHOOL OF MEDICINE & DENTISTRY
ANNUAL PERFORMANCE REVIEW | 2012



Western

CONTENTS

03	A Message from Dr. Michael J. Strong	49	Office of Interprofessional Health Education and Research (IPHER)
05	Building Toward the Future with Mr. Dwayne Martins	51	Centre for Education Research and Innovation (CERI)
06	OPTIMIZING LIFE-LONG HEALTH	54	Continuing Professional Development (CPD)
07	Strategic Plan 12-18 Month Deliverables	55	Continuing Dental Education (CDE)
09	OPERATIONS & ADMINISTRATION	56	Clinical Skills Learning Program
10	Space and Facilities	57	Program Evaluation Office
11	Finance	58	FINANCIAL ACCESSIBILITY
12	Human Resources	59	Scholarships, Awards and Bursaries
16	Alumni Relations and Development	61	RESEARCH
17	Communications and Marketing	62	Research Highlights
20	Media Relations	63	Canada Research Chairs
22	Information Services	64	Notable Research Publications
23	Strategic Technology Commons (STC)	65	Research Funding
25	OUTSTANDING EDUCATION	66	Robarts Research Institute
26	Program Offerings	67	AWARDS
27	Doctor of Medicine (MD) Program	68	Awards Received by Faculty, Staff and Students
32	Doctor of Medicine (MD) - Windsor Program	72	INTERNATIONALIZATION
34	Doctor of Dental Surgery (DDS) Program	73	Office of Global Health
37	Internationally Trained Dentist Program (ITD)	78	SOCIAL RESPONSIBILITY
38	Bachelor of Medical Sciences (BMSc)	79	Social Responsibility Highlights
40	Postgraduate Medical Education (PGME)		
42	Southwestern Ontario Medical Education Network (SWOMEN)		
44	Graduate Studies and Postdoctoral Affairs Office		
45	Clinical Graduate Programs		
46	CIHR Strategic Training Programs		
47	Combined Degree Programs		
48	Other Programs		



A MESSAGE FROM

DR. MICHAEL J. STRONG

DEAN, SCHULICH SCHOOL OF MEDICINE & DENTISTRY

The Schulich School of Medicine & Dentistry welcomed the arrival of 2012 ready to advance its work as set out in several new plans. Our strategic plan outlines six directions with identified goals to be achieved in 18 months, and subsequently in five-year intervals over a period of ten years. Accompanying this plan was an operational review highlighting our strengths and presenting opportunities as we set out to achieve our vision to become a global leader in optimizing life-long health through innovations in research, education and active engagement with our communities.

True to our culture, we swiftly advanced initiatives. Along the path, we took pause to celebrate and recognize our students, faculty and staff, and our research and education programs. These were pride-filled moments when we honoured their achievements, dedication and commitment to our mission and vision.

Strategically, Schulich Medicine & Dentistry is focussed on becoming a destination of choice for exceptional education and learning. Attaining this goal has led to the development and implementation of a number of new programs and support systems for our students.

Our work is paying off. This fall, the first class commenced for the newly accredited professional Pathology Assistant Program, unique to Canada, offering specialized experience in this growing field. A new collaborative program in Musculoskeletal Health also welcomed its first class. Currently, this is Canada's only multidisciplinary musculoskeletal program. We are proud to join our colleagues in the Faculties of Engineering, Health Sciences, Science and Social Science to offer unique and collaborative research and development opportunities for students in this area.

We are also developing several new graduate programs set to begin in 2013 including a Master of Public Health. As part of this program, students will experience Canada's only 12-month, case based, public health program. A Master of Surgery, and accelerated Master of Science in Microbiology & Immunology have been approved, in addition to a Master of Science, Clinical Medical Biophysics, and a combined Master of Science, Clinical Medical Biophysics and Doctor of Philosophy Program, Medical Biophysics. More new programs are under development as we work to enhance the educational opportunities for our learners, regardless of the stage of their career.

This past fall, our new Learner Equity & Wellness and Student Affairs/Equity Professionalism Offices opened their doors. With very specific mandates, they will ensure our students and learners receive the support needed to successfully achieve their goals.

Our continued success as a pre-eminent medical and dental school will no doubt depend on the strength and sustainability of our partnerships regionally, nationally and internationally. To this end, we continue to work diligently to establish the Southwestern Ontario Academic Health Sciences Network (SWAHN), one of only five such networks in Canada. This initiative is key to the success of our School and is a core mandate of the strategic plan. The axiom of "the sum of the parts being stronger than the individual" is clearly exemplified in this initiative.

Following the release of our White Paper on Globalization and Internationalization, Dr. John Denstedt, chair/chief, Department of Surgery assumed the role as the School's special advisor on internationalization, globalization and simulation. He will guide our efforts in establishing unique partnerships around the world.

Schulich Medicine & Dentistry is an international leader in health research, delivering breakthrough discoveries that have profoundly changed health care around the world. As a medical and dental school, we have reached a critical juncture in addressing our research mission, and have identified significant goals to advance our programs.

Denise Figlewicz, vice dean, Research and Innovation is leading a number of new initiatives identified through the Research Review Task Force. As well, she is developing strategies to realize new funding opportunities, build collaborations and foster translational research and commercialization. We believe these activities will strengthen our programs across the basic and clinical sciences.

The year ended on a high note as we hosted the Taylor Symposium in Spinal Cord Research, and awarded the J. Allyn Taylor International Prize in Medicine to world renowned spinal cord researcher, Dr. V. Reggie Edgerton. The same day, we hosted actor, author and philanthropist Alec Baldwin at the Leaders in Innovation Dinner. This premier event showcased our work to the community as we cultivated new interests and strengthened our relationship with donors and local partners.

The Schulich School of Medicine & Dentistry has an ambitious ten-year plan charting its work. Our vision is bold, however with more than 130 years experience, we have what is needed to achieve our goals.

By collaborating with leading scientists and scholars across many disciplines and countries, we will advance our collective knowledge and enhance our ability to treat disease, especially those inherent in aging. We will continue to be a leading educator and advocate. We will make new discoveries in how we diagnose, treat and prevent disease. And we will influence health care policy and improve how it is implemented.

We will change the future of health care.

Michael J. Strong, MD, FRCP(C), FAAN, FCAHS
Dean, Schulich School of Medicine & Dentistry
Distinguished University Professor, Western University





BUILDING TOWARD THE FUTURE

MR. DWAYNE MARTINS

CHIEF OPERATING OFFICER, SCHULICH SCHOOL OF MEDICINE & DENTISTRY

Unique in its mandate, and complex in its structure, geographic locations and funding model, the Schulich School of Medicine & Dentistry is one of Western University's oldest and largest faculties. Today, we are home to more than 2,100 full-and part-time faculty members and more than 1,700 staff members, all of whom support 2,800 students, trainees and learners across Southwestern Ontario. Our programs in London and Windsor occupy more than 400,000 square feet. And we manage an estimated operating budget of \$146 million, as well as a consolidated budget of \$400 million.

To achieve our vision and become a global leader in optimizing life-long health will require changes in how we do our work, structure our teams and engage with external audiences. It will also require the development of out of the box strategies in the creation of new partnerships at home and around the world. We feel we are ready to take those steps.

As recommended by the Deloitte Operations Report of 2011, the School's Process Management and Business Support Office was established this past year. Its mandate is to review current administrative processes supporting operations across the School. Once complete, its review and analysis will create greater efficiencies for staff and faculty to successfully achieve strategic plan directions and goals.

Our facilities are an important part of the equation for our education and research goals. Strengthening and expanding our programs means we must enhance our facilities. This fall, students arrived to refurbished labs and teaching space in London and Windsor. In September 2013, we will occupy The Western Centre for Public Health and Family Medicine and provide care and teaching from a new General Anesthetic Suite in Dentistry – the first of its kind in any North American dental school.

As we continue to advance our education and research mission, new energy is being directed to our fundraising efforts. Schulich Medicine & Dentistry is the cornerstone of the re-launched Be Extraordinary – Campaign for Western. We have a goal to raise \$145 million during the next six years. To date, we have been overwhelmed by the generosity of our alumni and friends, and we expect to surpass past success in this coming year.

The School's ten-year strategic plan has positioned enhanced communications and profile for greater impact as one of its key directions. This past year, foundational work including the establishment of a communications and marketing team, the creation of new communication vehicles, as well as an increased strategic focus on our work in this area is helping to expand our reach internally and externally to our alumni, partners, donors and friends in Canada and around the world.

Achieving our goals in the current uncertain economic climate is a key focus for the senior leadership of the School. We are investigating new opportunities and partnerships, as well as new ways to approach our work. We will enrich our programs through the remarkable support of our donors, and broaden our reach with a strategic and comprehensive communications and marketing strategy. Our mission remains the same however – providing an outstanding education within a research-intensive, distributed learning environment where tomorrow's physicians, dentists, researchers and other scholars learn to be socially responsible leaders in the advancement of human health locally, regionally and globally.

Dwayne Martins
Chief Operating Officer
Schulich School of Medicine & Dentistry, Western University



OPTIMIZING LIFE-LONG HEALTH

SCHULICH SCHOOL OF MEDICINE & DENTISTRY STRATEGIC PLAN 2011-2021

STRATEGIC PLAN 12-18 MONTH DELIVERABLES

Optimizing Life-long Health, the ten-year strategic plan for the Schulich School of Medicine & Dentistry outlines six key strategic directions for the School. Each of these six directions features milestones and goals for 12-18 months, five years and ten years.

Below are the updates for the 12-18 month deliverables for each strategic direction.

STRATEGIC DIRECTION ONE

Create knowledge in the science of healthy and successful development and aging across the life span

- Advance the recommendations of the Research Review Task Force.
 - Development in progress
- Implement internal peer review of grant applications.
 - Development in progress
- Target the development of new research centres, bringing together researchers from across pillars to develop road maps and case studies illustrating multi-disciplinary linkages and contributions.
 - Development in progress

STRATEGIC DIRECTION TWO

Strengthen knowledge translation to achieve health benefits for individuals and populations

- Develop a Knowledge Translation (KT) strategy including resources and infrastructure over the next 12 to 18 months.
 - In progress

STRATEGIC DIRECTION THREE

Become a destination of choice for exceptional education and learning

- Implement the Master of Public Health Program and enroll the first students in 2013.
 - In progress, expected completion date of April, 2013
- Develop and implement a plan to equalize and enhance educational supports for all Schulich Medicine & Dentistry education programs (e.g., technology support for distance education, summer studentships).
 - In progress
- Deliver an accelerated MSc option.
 - Initiated and in progress
- Introduce a longitudinal clerkship rotation in medical education.
 - Deferred until funding is resolved with the Ministry of Health
- Establish a Student Wellness Office.
 - Completed August, 2012
- Enhance student mentorship across all programs.
 - In progress
- Extend the distributed education model in dentistry to Southwestern Ontario.
 - Completed
- Expand e-learning opportunities across all Schulich Medicine & Dentistry education programs.
 - In progress

STRATEGIC PLAN

12-18 MONTH

DELIVERABLES

STRATEGIC DIRECTION FOUR

Develop sustainable partnerships, networks and global initiatives

- Engage with key partners to formalize an academic health sciences network, establish the supporting infrastructure and steering committee.
 - In progress
- Strengthen the Schulich Medicine & Dentistry partnerships across Southwestern Ontario.
 - In progress, will continue to be an ongoing project
- Complete the white paper on Schulich Medicine & Dentistry globalization and internationalization strategy and develop an implementation plan.
 - White paper completed, implementation plan in progress

STRATEGIC DIRECTION FIVE

Lead in programs that foster growth and success of faculty and staff

- Promote and implement the talent management initiative.
 - In progress
- Refine the conditions of appointment and promotion processes across entire School and distributed network.
 - In progress with an estimated completion date of fall, 2013
- Enhance community faculty support to attract and retain faculty.
 - In progress, a draft paper on the development of an Office of Faculty Affairs has been drafted and will be finalized in spring, 2013

STRATEGIC DIRECTION SIX

Enhance communications and profile for greater impact

- Develop a uniform brand and branding strategy for Schulich Medicine & Dentistry.
 - Completed
- Develop an integrated communications strategy for Schulich Medicine & Dentistry.
 - In progress with estimated completion of spring 2013



OPERATIONS & ADMINISTRATION

SCHULICH SCHOOL OF MEDICINE & DENTISTRY
ANNUAL PERFORMANCE REVIEW | 2012

SPACE AND FACILITIES

The Schulich School of Medicine & Dentistry occupies a number of buildings on the Western University campus. The infrastructure of the School stretches well into the London community, and further into Southwestern Ontario through research institutes and hospital and clinical partnerships. The table below refers specifically to on-campus facilities and does not include space in the School's partner hospitals.

2011-2012 HIGHLIGHTS*

New Facilities Initiatives

- Began and continued construction on The Western Centre for Public Health and Family Medicine building at the former Westminster College site.
- Renovations have been completed on the 2nd floor of the Dental Sciences Building, providing renovated teaching laboratory space for the Departments of Physiology and Pharmacology, and Anatomy and Cell Biology.
- Began and continued construction on the new General Anesthesia Suite in the Dental Science Addition.

* Highlights do not include facilities occupied by the Windsor Program

Western University 2012 Square Footage

Dental Sciences Building	116,695
Dr. Don Rix Clinical Skills Learning Building	14,263
Elborn College	522
Health Sciences Addition	17,128
Kresge Building	6,958
Medical Sciences Building	91,803
Molecular Biology Laboratory	11,208
Natural Sciences Centre	2,223
Robarts Research Institute	109,885
Siebens Drake Research Institute	43,234
Total	398,065

University of Windsor 2012 Square Footage

Medical Education Building <small>(Owned by University of Windsor, home to Schulich Medicine & Dentistry - Windsor Program)</small>	62,100
Total	62,100

FINANCE

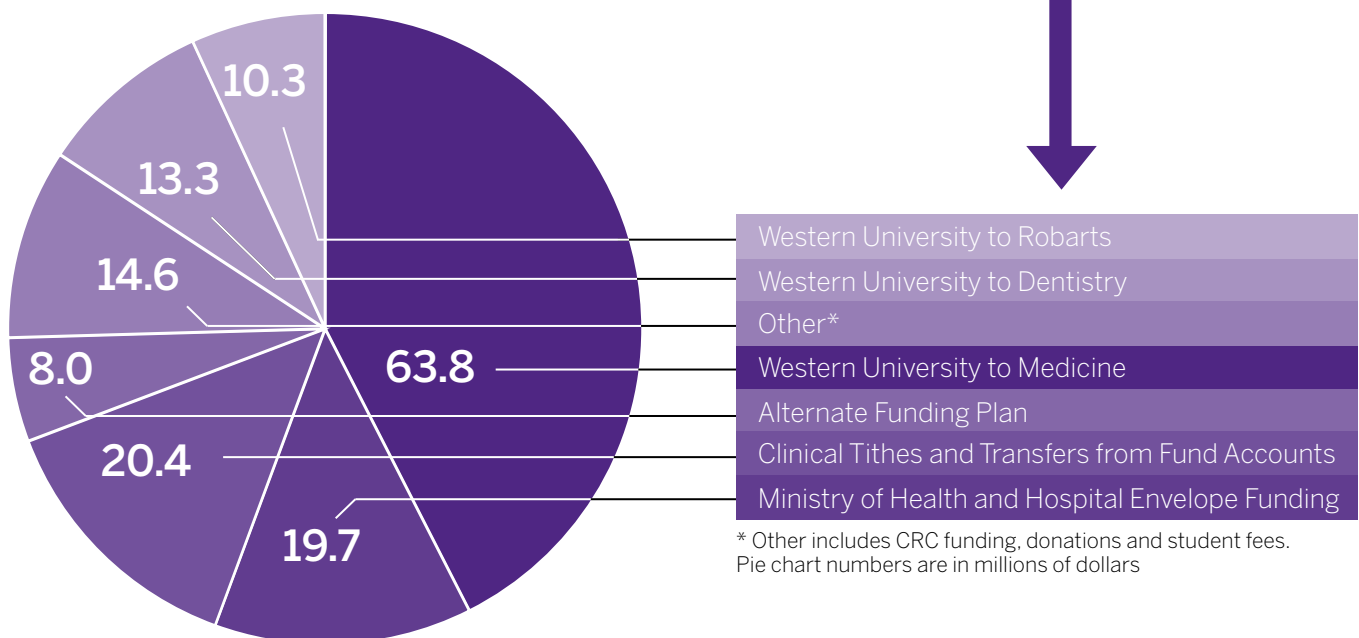
Sources of operating revenue for Schulich Medicine & Dentistry are derived from a number of areas including: base government grants, tuition, Canada Research Chairs (CRC), and recoverable salaries. Other sources include external billing for service, external salary recoveries and fundraising development.

Base increases this year are due to government grants for increased undergraduate medicine enrollment, and a change in the way the University allocated undergraduate, graduate and medical postgraduate funding.

Total Operating Revenue 2008-2013
(in millions)

117.9	2008-2009
132.3	2009-2010
136.3	2010-2011
150.1	2011-2012
145.3	2012-2013 (projected)

2011-2012 Operating Revenues
(in millions)
\$ 150.1

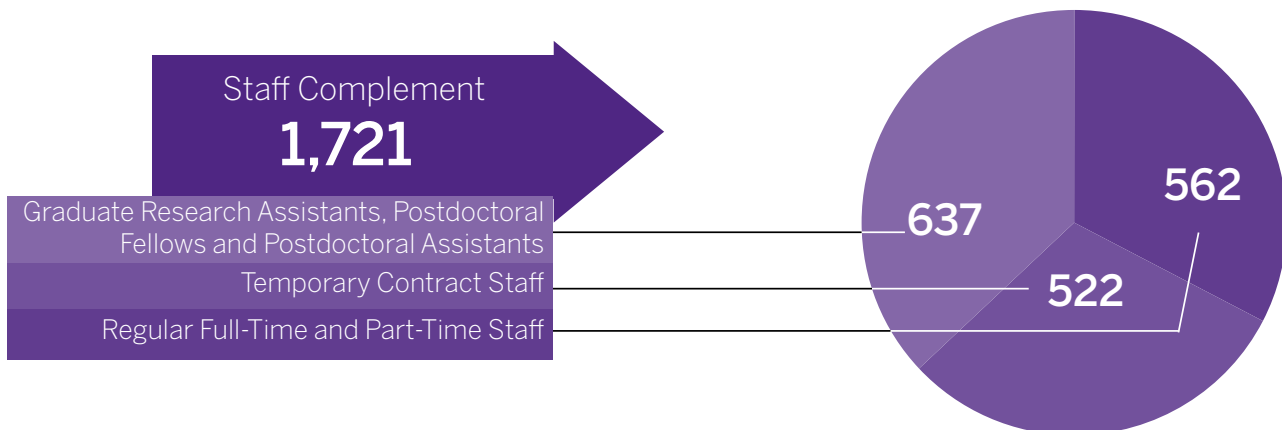
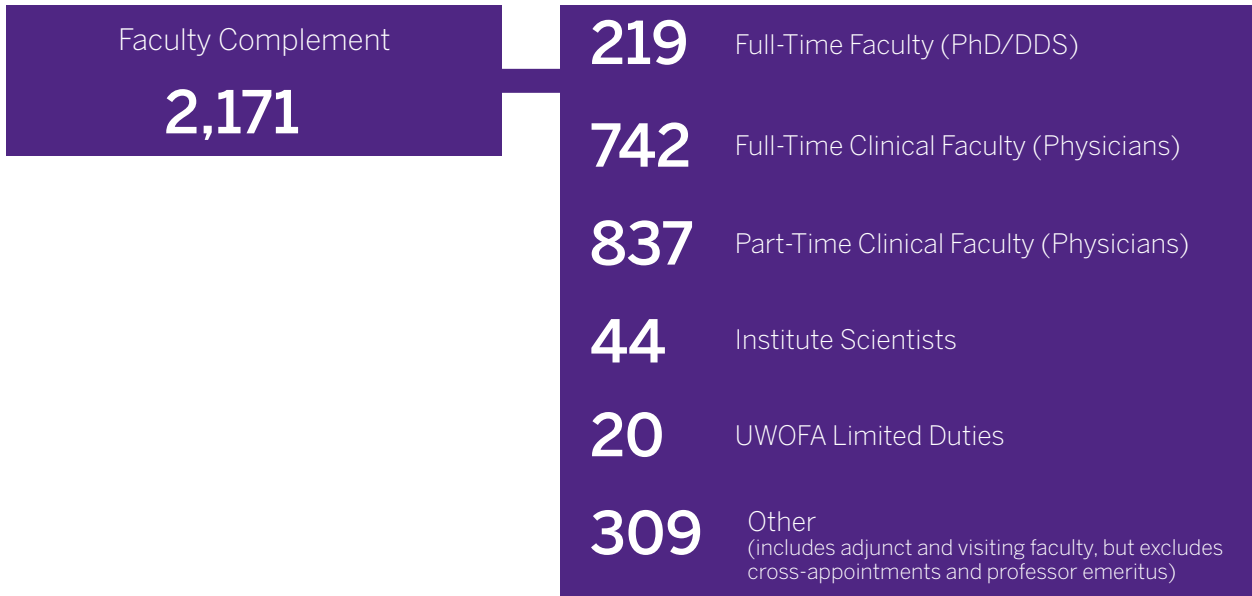


* Other includes CRC funding, donations and student fees.
Pie chart numbers are in millions of dollars

HUMAN RESOURCES

Human Resources at Schulich Medicine & Dentistry is responsible for more than 2,100 faculty members and more than 1,700 staff members.

During the 2011-2012 year, Human Resources appointed the following faculty positions: four new Chair/Chief positions, one Interim Chair/Chief position, three Department Chairs, three Endowed Chairs, one Vice Dean, two Associate Deans, an Interim Director and a Director.



HUMAN RESOURCES

2011-2012 HIGHLIGHTS

Decanal Appointments

Dr. Denise Figlewicz, vice dean, Research and Innovation

Dr. Robert Hammond, associate dean, Admissions

Dr. Shamim Tejpar, assistant dean, Rural and Regional Medicine

Dr. John Denstedt, special advisor to the dean, Health Globalization, Internationalization and Simulation

Dr. Mohammad Abdur Rab, interim director, Schulich Interfaculty Program in Public Health

Dr. Donald Farquhar, postgraduate director, Wellness

Appointment Duration

March 1, 2012 - March 31, 2017

July 1, 2012 - June 30, 2017

July 1, 2012 - June 30, 2014

October 1, 2012 - September 30, 2017

January 16, 2012 - December 31, 2014

July 1, 2012 - June 30, 2017

Endowed Appointments

Dr. Jim Johnson, Graham King Musculoskeletal Research Chair

Dr. Shelley McKellar, Hannah Chair in the History of Medicine

Dr. David Holdsworth, Sandy Kirkley Chair in Musculoskeletal Research

Appointment Duration

January 1, 2012 - December 31, 2016

July 1, 2012 - June 30, 2017

July 1, 2011 - June 30, 2016
(negotiations for renewal finalized summer of 2012)

Chair/Chief Appointments

Dr. Paul Links, chair/chief, Department of Psychiatry

Dr. Maggie Rebel, chair/chief, Department of Obstetrics & Gynaecology

Dr. Tim Doherty, chair/chief, Department of Physical Medicine & Rehabilitation

Dr. Rob McFadden, interim chair/chief, Department of Medicine

Dr. Paul Cooper, chair/chief, Department of Clinical Neurological Sciences

Appointment Duration

January 1, 2012 - December 31, 2016

February 1, 2012 - January 31, 2017

February 1, 2012 - January 31, 2017

February 1, 2012 - January 31, 2014

October 1, 2012 - September 30, 2017

HUMAN RESOURCES

2011-2012 HIGHLIGHTS CONTINUED

Chair Appointments

Dr. Kem Rogers, chair, Department of Anatomy and Cell Biology

Dr. David Litchfield, chair, Department of Biochemistry

Dr. Bhagirath Singh, acting chair, Department of Microbiology & Immunology

Appointment Duration

July 1, 2012 - June 30, 2015

July 1, 2012 - June 30, 2018

July 1, 2012 - June 30, 2014
(negotiations for renewal finalized summer of 2012)

ENDOWED CHAIRS

Name of Endowed Chair

Barnett - Ivey Heart & Stroke Chair

Beryl & Richard Ivey Research Chair in Rehabilitation & Geriatric Care

Beryl Ivey Chair in Ecosystem Health

Canadian Diabetes Association Chair in Diabetes Management

Dr. Brian W. Gilbert CRC - Primary Health Care

Dr. Joseph Rea Chair in Mood Disorder

Dr. Sandy Kirkley Chair in Musculoskeletal Research

Earl Russell Chair in Pain Management - Medicine & Dentistry

Edith Schulich Vinet CRC - Human Genetics

Fallon Memorial Chair in Clinical Preventative Medicine

Graham King Musculoskeletal Research Chair

GSK Chair in Clinical Pharmacology

Hannah Chair in the History of Medicine

Current Incumbent

Dr. Geoff Pickering

Dr. Robert Petrella

Dr. Charles Trick

Dr. Stewart Harris

Dr. Moira Stewart

Dr. Elizabeth Osuch

Dr. David Holdsworth

Dr. Dwight Moulin

Dr. Robert Hegele

Dr. Karen Campbell

Dr. Jim Johnson

Dr. Michael Rieder

Dr. Shelley McKellar

HUMAN RESOURCES

ENDOWED CHAIRS CONTINUED

Name of Endowed Chair

Harris - Woodman Chair in Psyche & Soma

Helen and Frances Lawson Chair in Diabetes Research

Ian McWhinney - Chair of Family Medicine Studies

Jacob J. Wolfe - Distinguished Medical Research Chair - Human Gene Function

Kathleen & Dr. Henry Barnett Chair in Stroke Research

Martha G. Blackburn Chair in Cardiovascular Research

Provincial Endowed Academic Chair in Autism

Ramsay W. Gunton Chair in Cardiology

Richard & Beryl Ivey Chair in Clinical Neurological Sciences

Richard & Jean Ivey Fund Chair in Molecular Toxicology

Richard Ivey - Chair of Surgery

Richard Ivey - Chair of Medicine

Cecil and Linda Rorabeck Chair in Molecular Neuroscience and Vascular Biology

Sheldon H. Weinstein Chair in Diabetes Research

Tanna Schulich Chair in Neurosciences & Mental Health

Current Incumbent

Dr. Ruth Lanius

Dr. David Hill

Dr. Stewart Harris

Dr. Rob Hegele

Currently Recruiting

Dr. Robert Hegele

Dr. Rob Nicolson

Dr. Samuel Siu

Dr. Paul Cooper

Dr. Giedon Koren

Dr. John Denstedt

Vacant

Currently Recruiting

Dr. David Hill

Dr. Peter Williamson

ALUMNI RELATIONS AND DEVELOPMENT

The 2011-2012 fiscal year was one of the School's most successful fundraising years in more than half a decade. A total of nearly \$13.4 million was received toward Schulich Medicine & Dentistry campaign priorities.

In the past five years, the Schulich School of Medicine & Dentistry has received \$48,607,695 in philanthropic contributions. We thank all of our donors for their generous support.

2011-2012 HIGHLIGHTS

- A bequest of \$1.3 million was donated to the Kathleen and Dr. Henry Barnett Chair in Stroke Research by Winifred Shantz, a former patient of Dr. Barnett's. The chair will support a leading stroke researcher who will serve as the Scientific Director, Robarts Research Institute.
- An anonymous donation of \$3 million will support leading-edge research and provide essential support for emerging talents within Schulich Medicine & Dentistry.
- Hosted the Leaders in Innovation Dinner, as part of the J. Allyn Taylor International Prize in Medicine. Quickly becoming known as one of London's premier events, it featured special guest speaker Alec Baldwin who discussed the importance of philanthropy in advancing medical research.

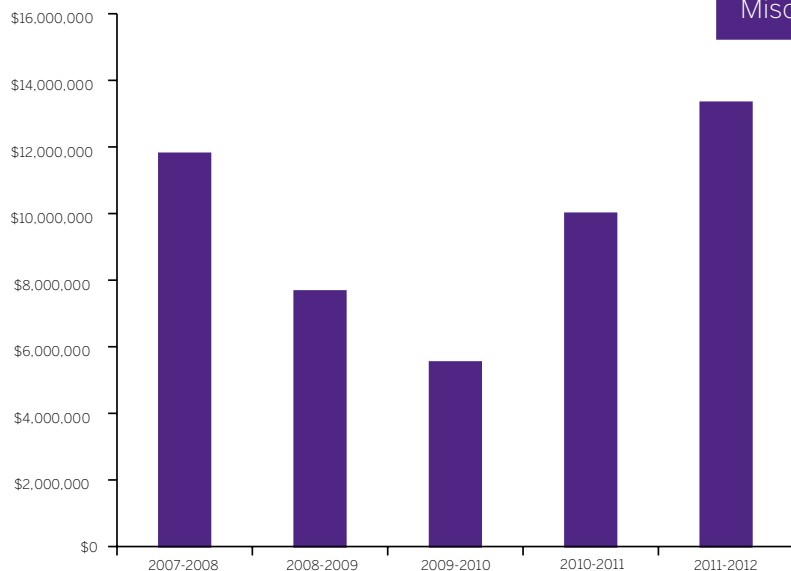
Schulich Medicine & Dentistry Endowed Funds
as of April 30, 2012

\$126,530,154

1 per cent increase over 2011

Category	Total as of April 30, 2012	Per cent Increase Over 2011
Faculty & Department	\$11,038,430	-2 per cent
Chairs & Professorships	\$54,106,122	0 per cent
Lectureships & Enhancements	\$3,251,165	-1 per cent
Equipment	\$49,246	0 per cent
Research	\$10,059,657	2 per cent
Student Awards/Aid	\$47,676,819	3 per cent
Miscellaneous	\$348,715	-4 per cent

SCHULICH MEDICINE & DENTISTRY FUNDRAISING DOLLARS



COMMUNICATIONS AND MARKETING

In early 2012, the Communications and Marketing team was fully staffed with the arrival of a new Associate Director, Communications & Marketing. From that point, the team began functioning as a full service communications and marketing department, providing strategic communications, marketing advice and consultation, as well as tactically managing the development of all communications and marketing materials, all digital communications, and social media for the School.

2011-2012 HIGHLIGHTS

Operations

- The team quickly adopted a client services approach, with team members assigned as key representatives to support major departments. Each team member took on a core communications or marketing responsibility managing functions such as brand management, video production and social media.
- The strategic planning document, as well as the Level 5 report served as the foundation of all new and ongoing initiatives. The documents guided the development of an annual operating plan with clearly established goals for the year.

Brand Positioning and Development

- With a new brand unveiled at Western University, and a strong focus placed on establishing consistency across the School, the team appointed a brand manager. The manager developed expertise in branding, managed all tactical aspects to branding and continues as the key support to assist all departments and programs.
- Branding presentations were made during the course of the year to departments across the School providing the latest information on all elements of branding. Presentations were also distributed electronically and made available online.
- A series of templates including power point templates, posters and research poster templates were created to support people across the School in their work. These templates were provided online on the School's website for the convenience of faculty and staff across the School.
- Reference materials including a new series of web pages, a Graphics Standards Guideline, and a quick reference document were created and shared across the School to support people in their work.
- A major initiative was undertaken to develop a brand positioning document and establish key messages for the School. This work is now complete and a roll out strategy is under development.
- Significant effort was made to begin sharing the Schulich Medicine & Dentistry story. The story was told from the point of view of students, researchers, faculty members, staff and donors, framed in print and online communication vehicles, as well as video. This work will continue and be enhanced as the School reaches out to a broader audience through the introduction of new communication vehicles.

Alumni and Development

- Continuing to enhance the relationship with the School's alumni is critical. Communications and marketing support was extended to premier events as well as recognition, stewardship and fundraising celebrations during the course of the year.
- Other initiatives included a full redesign of Rapport Magazine, The Bridge - Schulich Dentistry's alumni magazine - and the introduction of a new electronic alumni newsletter to be distributed two to three times per year.

COMMUNICATIONS AND MARKETING

2011-2012 HIGHLIGHTS CONTINUED

Core Department and Program Support

- The communications and marketing team has assumed responsibility for the development and approval of all departmental and program communication materials. As this is a new process, it is developing over the course of time, with departments and programs coming on board as the year progresses. Of key interest this year was the rebranding of all materials for the School's education programs, the redevelopment of the course calendars for Continuing Professional Development, the establishment of a communications and marketing plan and materials for the School's Graduate Studies and Postdoctoral Affairs Office, a marketing plan for the new Master of Public Health Program, a strategic marketing plan for Schulich Dentistry, a new video series for the Bachelor of Medical Sciences program, and a new series of materials to support the School's work internationally.
- A new video series – Profiles of Excellence featuring researchers from across Schulich Medicine & Dentistry was developed. It is expected that by the end of the fiscal year, five to six videos will be produced for this series.
- A new annual report will be developed this year, highlighting the high level achievements of the School. It will serve as a stand alone piece and also be used to accompany annual reports developed by departments from across the School.

Digital Communications

- A significant focus was placed on enhancing the School's digital communications and marketing. Key goals were established for followers of social media, new electronic communications vehicles were established, the concept of a social media ambassador program was introduced, and a plan was developed to redesign the School's website, aligning it with the new design introduced by Western University.
- Emphasis was placed on developing a much more strategic approach to social media, and this included the creation of quarterly plans for all activity related to Facebook, Twitter, as well as the website banners and the visix screen slides. This resulted in an increase in social media followers as well as increased awareness of the School's events, activities and successes.
- Increase in Facebook followers – 825 to 1,170 (as of February 28, 2013).
- Increase in Twitter followers – 593 to 1,177 (as of February 28, 2013).
- A goal to establish at least 24 videos during the fiscal year (May 1 - April 31) was established. To date, 25 videos have been created, and garnered more than 6,000 views collectively. The plan remains to create 6 more by the end of the fiscal year.
- In an effort to respond to a major communication challenge for the undergraduate medical education program, a new informational blog was established. This project came as a result of extensive research, a survey and focus groups with students. The new blog – called You-Me generates approximately 1,900 views per month.

COMMUNICATIONS AND MARKETING

2011-2012 HIGHLIGHTS

Internal Communications

- In keeping with the goals outlined in the strategic plan, to enhance communications and celebrate work and initiatives across the School to create a sense of pride and belonging for all, a new monthly faculty/staff newsletter was established. The concept of the newsletter came as a result of research and survey work undertaken with faculty and staff to determine their communication interests, needs and uses. The Pulse – the new monthly newsletter – has received extremely positive reviews and receives strong readership each month, consistently maintaining a 30 per cent open rate and averaging a 40 per cent click rate. The team also developed a new quarterly electronic newsletter for the Windsor Program. To date, two issues have been prepared and have been well received. As the newsletter has a smaller and more defined audience, it receives a 40 per cent open rate and averages a 40 per cent click rate.
- A redevelopment of the weekly e-communication vehicle that shares information about upcoming events and announcements is also underway.

MEDIA RELATIONS

Schulich Medicine & Dentistry issued more than 40 news releases in 2012 covering important research discoveries and newsworthy events. A majority of the releases include photographs and broadcast-quality video which help to raise the profile of the School's stories, especially on news, medical, scientific and technology websites. The School also has an excellent reputation for responding to media requests, and for providing expert perspective on health issues in the news.

2012 HIGHLIGHTS

A Sampling of News Releases Drawing International and National Coverage

- **April** - Dr. Gideon Koren who holds the Richard and Jean Ivey Fund Chair in Molecular Toxicology, sounded an alarm over the danger of giving children pain-killers containing codeine following a tonsillectomy for obstructive sleep apnea syndrome. The story was carried in the Globe and Mail, French Tribune, National Post, London Free Press, Montreal Gazette and on Global TV to name a few.
- **July** - Dr. Daniel Hackam, assistant professor, Department of Medicine, published research showing the link between shift work and heart problems struck a chord with people around the world. It was reported in USA Today, Toronto Star, Scottish Daily Record, Belfast Telegraph, ABC 7 Chicago, Times of India, CTV National, CBS Radio and many more outlets.
- **August** - Dr. David Spence, professor, Department of Clinical Neurological Sciences, drew a massive media response when he published research which showed that eating egg yolks accelerates atherosclerosis in a manner similar to smoking cigarettes. The story was carried in hundreds of media outlets including: L.A. Times, Toronto Star, Seattle Times, Vancouver Sun, South Asia Mail, Cosmopolitan magazine, Time magazine, CBC National, CBC Ontario Morning, ABC 7 News, Huffington Post and more. It also received a mention on late-night television on The Tonight Show with Jay Leno and Jimmy Kimmel Live, and prompted an editorial cartoon in the London Free Press.
- **September** - Research by Dr. Daniel Bainbridge, associate professor, Department of Anesthesia & Perioperative Medicine, published in the Lancet, showed that survival rates after a general anesthetic and within 48 hours of surgery have dramatically improved worldwide over the past 50 years. The story was carried on CTV two, and in the Calgary Herald, Toronto Sun, Vancouver Sun, Ottawa Citizen, Times of India and several websites including Toronto Star's and United Press International's.
- **November** - A news conference was held to give an update on the early results from the phase one clinical trials for an HIV/AIDS vaccine developed by Chil-Yong Kang, professor, Department of Microbiology & Immunology. The story was carried on Global National, CTV Two, CHCH-TV, CBC Radio and in the Toronto Star, Globe and Mail and by many other news outlets.

Students Making News

- **February** – Circles of Care is the name of a board game developed by a group of Schulich Medicine students designed to help educate students about interdisciplinary health teams and the roles played by various members. A paper on the games was published in the Journal of Interprofessional Care. CTV two and the London Free Press interviewed the students and showed them playing the game.
- **May** - A group of medical students started a program called Operation Green which sent unused surgical supplies to a Canadian charity to be shipped to third world countries. The sustainability effort was featured in the Canadian Medical Association Journal, sparking widespread interest including coverage in the Globe and Mail, Toronto Star, Huffington Post, Winnipeg Free Press, Citytv.com, Globalnews.ca and many environmental publications.

MEDIA RELATIONS

2012 HIGHLIGHTS CONTINUED

Other Events and Activities

- **February** - A book launch/media conference was organized for a new book called "*Stroke Prevention, Treatment and Rehabilitation*" by Dr. David Spence and Dr. Henry "Barney" Barnett, prompting a great story in the London Free Press where Barney was called the "Wayne Gretzky of stroke research." The event was also featured on CTV Two and in other local media. Dr. Barnett was also featured in the King Sentinel in England after receiving an honorary degree from Oxford University.
- **March** - Media relations helped boost the commercialization of a Computed Tomography (CT) scanner small enough to sit on a desk. The DeskCAT was developed by two biophysics professors as a novel way to teach CT imaging techniques to students. Dr. Jerry Battista, chair, Department of Medical Biophysics, reported receiving calls from institutions across North America following coverage which included video of the DeskCAT in action.
- **April** - The Schulich School of Medicine & Dentistry - Windsor Program Charter Class was featured in a special insert in the Windsor Star. The graduation of the first class through the Windsor Program garnered a lot of positive media coverage in local papers as well as on radio and television with several events marking the milestone for the School.
- **November** - The Leaders in Innovation Dinner featured Alec Baldwin. While media was not allowed to record his presentation, strong local pickup included the London Free Press, CTV Two, Snap, the Londoner and London Community News.
- Media training was conducted at the Windsor Program, and at two workshops at the Southwestern Ontario Medical Education Network (SWOMEN) and Family Medicine Retreat. As well, presentations were made to two graduate student classes. New slides have been developed so that Schulich Medicine & Dentistry and Western University are delivering the same key messages.

INFORMATION SERVICES

Information Services (IS) is responsible for the technology related requests and issues for all faculty and staff at the Schulich School of Medicine & Dentistry. 2012 was a year of change in Information Services (IS) as the department welcomed a new team from the former Teaching and Technology Services (TTS) unit.

2011-2012 HIGHLIGHTS

Educational Technology & Media Services

- Introduced web-streaming live events as a service, streaming more than 17 live events, including the Medicine Convocation, Operations Town Hall Events, Postgraduate Medical Education Academic Half Days and the 2012 Taylor Symposium on Spinal Cord Injury.
- Introduced podcast production as a service, producing more than three series of multi-episode podcasts for courses, distributed to students through Sakai Learning Management System.
- Began videoconferencing over the Ontario Telemedicine Network (OTN) as a service and had more than 26 calls made via the OTN network in 2012.
- Launched public videoconferencing as a service. Notable connections include a summer master's course consisting of more than 20 connections with the University of British Columbia, as well as connections with Rwanda and Switzerland.
- More than 920 lectures were recorded, produced and posted to the web for medicine students in 2012.

Web Development

- IS web developers created a new Schulich Medicine & Dentistry e-commerce storefront system, providing customers with the ability to offer online registration and payment for courses, events and electives using Western's secure credit card payment system.
- 2012 saw the migration of more than 60 online web forms to a new and improved system. The new system allows customers the ability to view the data gathered by the web form online, immediately and to export those responses to Excel.

Schulich Administrative System (SAS)

- The expansion of functionality of the Schulich Administrative System (SAS) continued in 2012. This included the migration of the Admissions cycle into SAS, Student Affairs Interviews, new forms for BMSc and Graduate Studies as well as the OneForm which was created to streamline the hiring process for staff.

Network Operations and Helpdesk

- IS support staff worked with Continuing Professional Development (CPD) to design and deliver technology-based workshops including GroupWise, Accessing Schulich Network Services Remotely, as well as Online Security/Privacy.
- Server team continued with the migration of older servers to a new virtual server environment. There are now more than 40 servers running on the new virtual server farm. This project also included the migration of all administrative data on the Schulich Medicine & Dentistry network to new, faster network storage.

STRATEGIC TECHNOLOGY COMMONS (STC)

The Strategic Technology Commons (STC) was created in July 2012. It brought together the areas of instructional design, online learning, pedagogy training, web module construction and WebCT/Owl powered by Sakai Learning Management System (LMS) support. The STC also plays a significant role in the evaluation of new online learning models and best practices for teaching.

2011-2012 HIGHLIGHTS

Strategic Planning and Scoping

- Implemented a transition plan with a goal of placing a greater emphasis on work in evaluation and research in the new technology approaches that assist with online teaching, as well as strategies to support distributed and distance education and communication.

General Highlights

- Members attended several conferences and retreats, presenting papers, presentations and posters, and facilitating workshops.
- Concentrated on the transition/training from WebCT to Owl powered by Sakai and the development of courses and materials for this new LMS.
- Evaluation is in progress of open source ePortfolio tools, exploring the use of Sakai ePortfolio tools as well as Mahara.
- Pilot projects/courses – Pharm 2060; Pharmacology quizzes using Captivate; video players.

Instructional Technology Training

- 12 workshops developed and delivered and more than 155 people trained, plus one-on-one sessions.
- Two online demonstrations for Schulich Medicine created; overview of one45, and Owl powered by Sakai were created.
- Revisions and simplifications of Room Technology User Guides were developed as a result of focus group feedback.

Instructional Design, Consultation and Construction

- Development of materials for Sakai integration.
- Design and development of a fully online course using podcasts in physiology.
- Evaluation of options for delivery of video in Sakai.
- Development of enhanced physiology models for online and in-class instruction.

STRATEGIC TECHNOLOGY COMMONS (STC)

INSTRUCTIONAL DESIGN, CONSULTATION AND CONSTRUCTION BY COURSE

Course	Total Number of Modules
Introduction to Medicine	6 (Embryo)
Infection & Immunity	8
Skin/Integration, Consolidation & Enrichment	30
Anatomy (Various)	6
Physiology and Pharmacology (Phys 2130)	20 (Excluding weekly podcasts)
Dentistry (2 courses)	Online course exams and review exams
Physiology and Pharmacology (Phys 3140)	Lecture capture edits and posts
Medicine Year 3 Classes	Total Number of Modules
Academic Half Day	6
Family Medicine	External link
Internal Medicine	20
Obstetrics and Gynaecology	External link
Palliative Medicine	Lectures and resources
Paediatrics	14
Psychiatry	26
Radiology	7
Surgery	12



OUTSTANDING EDUCATION

SCHULICH SCHOOL OF MEDICINE & DENTISTRY
ANNUAL PERFORMANCE REVIEW | 2012

PROGRAM OFFERINGS

The Schulich School of Medicine & Dentistry offers a number of degree and combined degree programs for undergraduate, graduate and postgraduate students. Among new program offerings this year are a professional Pathology Assistant Program and a collaborative program in Musculoskeletal Health.

Doctor of Medicine (MD)

Doctor of Dental Surgery (DDS)

52 postgraduate medicine (residency) training programs

Postgraduate dental residency program

Bachelor of Medicine Sciences (BMSc - General Honors)

More than 15 graduate programs offering MSc and PhD degrees in basic and clinical sciences, including a combined MD/PhD program

Combined MD/Bachelor of Engineering Science degree

Combined MD/HBA (Business Administration) degree

Graduate Orthodontics

Combined residency in Oral & Maxillofacial Surgery/MSc in Pathology/MD degree

Dental Clinician Scientist (joint degree) program

Internationally Trained Dentists Program for dental graduates with degrees not accredited in Canada

Continuing Medical and Dental Education Programs for practicing physicians and dentists

DOCTOR OF MEDICINE (MD) PROGRAM

The Doctor of Medicine (MD) Program at Schulich Medicine & Dentistry received 2,360 applications for the September 2013 entry class for 171 available spaces. Overall, applications to Ontario medical schools increased by 6.03 per cent this year. Students may apply to multiple schools through the Ontario Medical School Applications Service (OMSAS).

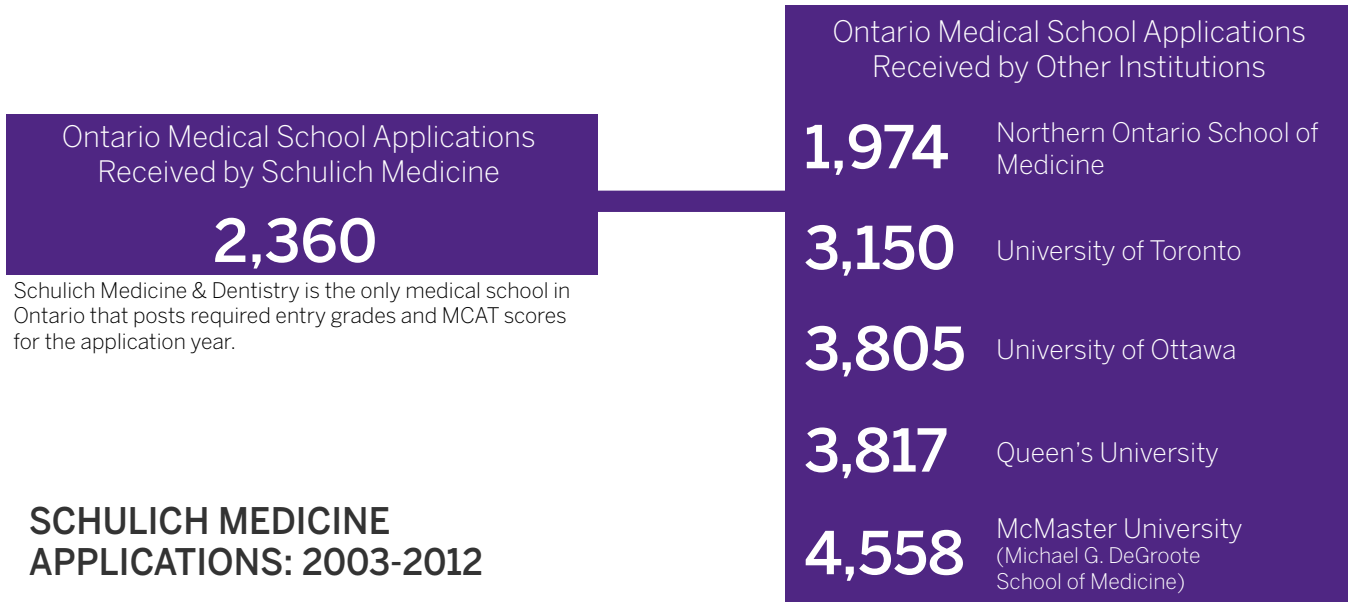
2011-2012 HIGHLIGHTS

- Curriculum committee received the final reports of the objectives and assessment committees. This included recommendations for improving student assessment methods and linking courses with curricular goals.
- Undergraduate Medical Education (UME) is moving to a new governance structure that is based on principles of quality and support. The new committees are the Quality Committee and Instructional Design Committee which will be both operational in 2012-2013. The hope is to support ongoing curricular renewal and transparency of outcomes.
- All UME course materials and sites transitioned to the new Learning Management System, Owl powered by Sakai.
- Redesigned all online courses to have a standard design.
- Revised courses offered in Years 1 & 2: Ethics; Infection & Immunity; Population Health.
- Introduced new Year 1 course on leadership: Physician as Leader.
- Piloted reflective learning through a Learning Portfolio in Clerkship to explore challenging cases experienced in clinical medicine designed for delivery in Clinical Clerkship in 2012-2013.
- Redeveloped assessment tools for Year 3 Clerkship for 2012-13 academic year.
- Delivered workshops in clerkship assessment methods and standards at London, Windsor and Southwestern Ontario Medical Education Network (SWOMEN) sites.
- Enhanced curriculum training and support for new pre-clerkship course chairs.
- Supported 14 summer student projects to assist course chairs with curriculum redevelopment.
- Submitted Committee for Accreditation of Canadian Medical Schools/Liaison Committee on Medical Education (CACMS/LCME) status report for feedback in October 2012. Report was very well received with only one standard requiring monitoring with a follow-up report in August 2013.
- Interim Accreditation Review Team reviewed compliance with 132 standards and developed a report for the site survey and submission to the Dean.
- Published a poster at the Canadian Conference on Medical Education (CCME) in April 2012.
- UME has been accepted for four posters and one short presentation for adjudication for the CCME Meeting in Quebec City in April 2013.
- Presented a virtual poster at the October 2012 Centre for Education Research & Innovation (CERI) symposium.
- Developed new policies and processes for attendance and to support students with academic difficulties.
- Developed new process for students embarking on Year 4 electives overseas and non-credit overseas experiences in the summer.
- Worked with Information Services (IS) to develop the first step of an online application process for visiting students.
- Provided a high level of support for 647 student-learners and 800 faculty who teach in the MD program in London, Windsor and SWOMEN.

DOCTOR OF MEDICINE (MD) PROGRAM

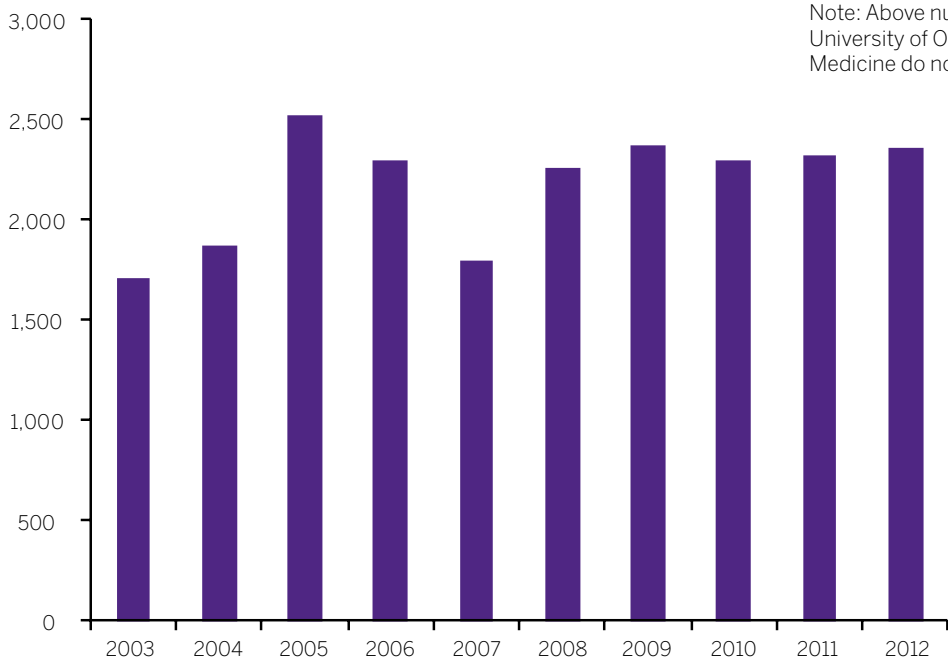
2011-2012 HIGHLIGHTS CONTINUED

- Hosted a well-attended retreat for the Pre-Clerkship and Clerkship Committees on Curricular Alignment.
- Submitted a plan to the Ministry of Health for a Regional Clerkship experience that is being adjudicated.
- Completed a white paper to improve research learning in the UME curriculum.



Note: Above numbers reference 2012 for 2013 Entry Class. University of Ottawa and Northern Ontario School of Medicine do not consider MCAT scores in admissions.

SCHULICH MEDICINE APPLICATIONS: 2003-2012



Note: Year reflects requests for entry in subsequent year. Example: in 2003, 1,706 applied for entry in September 2004.

DOCTOR OF MEDICINE (MD) PROGRAM

Class of 2016 Profile

394 applicants invited for interviews

171 accepted into the program

133 in London

38 at the Windsor Program

100 male applicants accepted, **58 per cent** of the class total

71 female applicants accepted, **42 per cent** of the class total

Demographics of Applicants from Southwestern Ontario

98 applicants invited for an interview

94 offered acceptance to the program

65 accepted the offer, **38 per cent** of the class total

37 students are from Middlesex County

14 students are from Essex County

Breakdown of the last university attended by Schulich Medicine & Dentistry students of the Class of 2016

68 attended Western University

24 attended the University of Toronto

18 attended McMaster University

9 attended Queen's University and the University of Guelph

7 attended the University of Waterloo

6 attended McGill University and the University of Ottawa

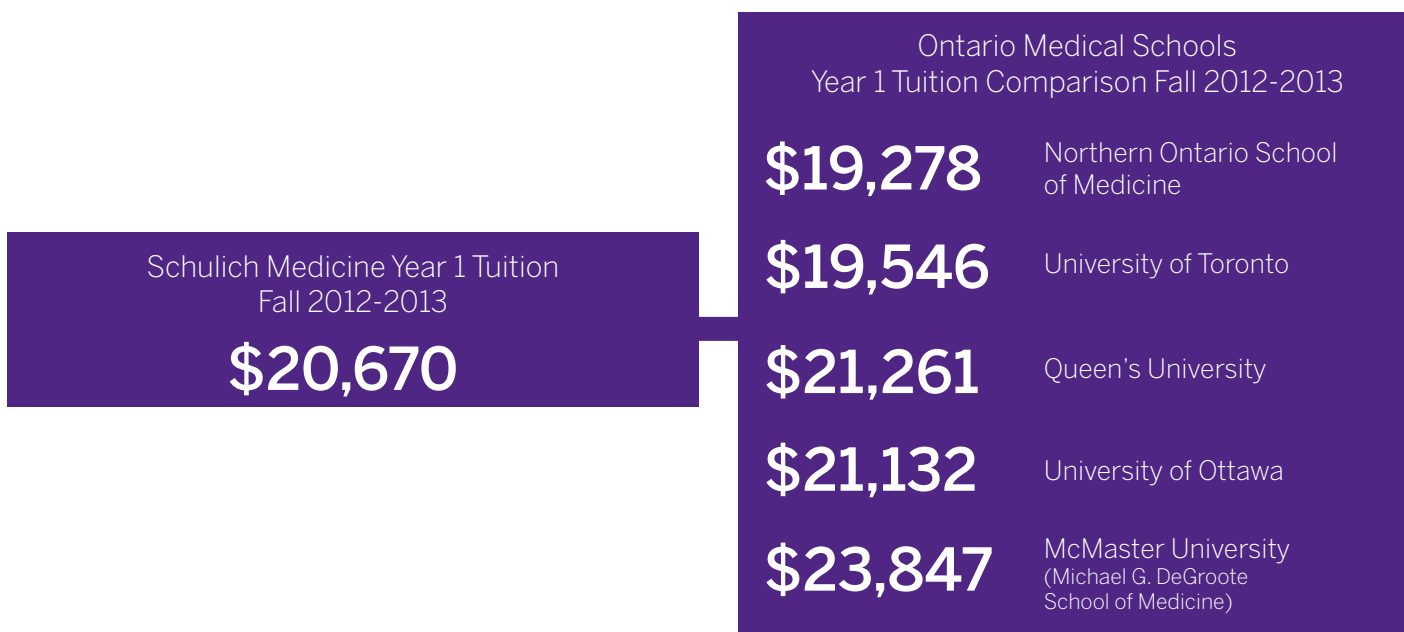
5 attended the University of Windsor

4 attended York University

2 each from:
Brock University,
Prince Edward Island University,
University of Saskatchewan,
University of British Columbia

1 each from:
University of Calgary,
Dalhousie University,
Laurentian University,
University of Laval,
University of New Brunswick,
University of Victoria,
Thompson Rivers University,
Trinity Western University

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.
- The pass rate for students from Schulich Medicine for the spring 2012 exam was 99 per cent, and above the equivalent to the Canadian pass rate.
- Schulich Medicine students' overall mean score was above the overall mean score of all Canadian medical schools.
- Schulich Medicine students scored above the Canadian mean in the following categories:
 - Consideration of legal, ethical and organizational aspects of the practice of medicine
 - Paediatrics, obstetrics & gynaecology
 - Internal medicine
 - Population health, ethical, legal and organized aspects of the practice of medicine
 - Psychiatry
 - Surgery
 - Family medicine
 - Clinical decision making
- With the exception of 2004 and 2006, Schulich Medicine students have exceeded or matched the Canadian mean for total examination scores in the past nine years.

DOCTOR OF MEDICINE (MD) PROGRAM

MEDICAL COUNCIL OF CANADA QUALIFYING EXAMINATION RESULTS: MEAN SCORES 2003-2012



The dark purple bars denote the mean scores of Schulich Medicine graduates.

The light purple bars denote the mean scores for all Canadian medical graduates.

DOCTOR OF MEDICINE (MD) WINDSOR PROGRAM

The Windsor Program Charter Class graduation was a highlight of 2012. The week of celebratory festivities involved the community and local media, with feature stories in several magazines, a special Windsor Star supplement and the temporary re-naming of Windsor's main street to honour the Class. A formal reception at the University of Windsor culminated the celebrations. A booklet, *"Realizing a Shared Vision: Windsor Program Charter Class – From Conception to Completion"* and a 2012 calendar was also created to commemorate the Charter Class.

2011-2012 HIGHLIGHTS

- Windsor Program students participated in the Canadian Resident Matching Service (CaRMS) for the first time. All 24 Windsor Program Charter Class students matched in the first round.
- The 2012 Windsor Program Awards of Excellence was a success in its inaugural year; nine individuals were recognized within three distinct categories.
- 38 students arrived for Year 1 in September 2012, bringing the Program a step closer to "steady state", having an equal number of students in each year. The total number of undergraduate medical students at the Windsor Program in 2012 was 144. 38 students are in Years 1, 2 and 3, and 30 students in Year 4.
- The Windsor Program had 38 students in their clerkship year. Windsor Regional Hospital and Hôtel-Dieu Grace Hospital have seen a 58 per cent increase in third-year clerks since 2010.
- The completion of the Medical Education Building's third floor and the three dimensional virtual anatomy lab provides students with new space and tools.
- Funding from the Department of Family Medicine for a local Windsor Program Postgraduate Family Medicine Program has led to the ability to recruit staff to support this growing program.
- An innovative approach to extending the School's videoconferencing (VC) system has been the intention of collaborative discussions with the Tecumseh Manning Medical Centre (TMMC) and the University of Windsor's Centre for Smart Community Innovation. Once the hardware installation is complete, learners and faculty will be able to connect with the full slate of VC meetings and sessions without leaving the TMMC. This was previously only available to those on campus or in the hospital.
- Efforts to expand the number and range of postgraduate medical residency programs in Windsor continue. Discussions have moved to a higher level of acuity and more time continues to be invested in these discussions.
- Following discussions that began in March 2012, the Program will welcome postgraduate residents to visit Windsor for new, shorter-term rotations as of July. These residents will be housed in state-of-the-art accommodations, helping to showcase the exceptional learning experience offered in Windsor.
- Just as it is a priority across Schulich Medicine, growing the research capacity is also high on the radar at the Windsor Program. The Program was recently encouraged by faculty and learners who already have strong research contributions, including Dr. Caroline Hamm's team gaining approval for Phase 1 clinical trials for dandelion root tea, which garnered considerable national media attention. The hope is to continue to build that culture in 2013. To aid this initiative, the Windsor Program will be providing research training to clinical faculty who are interested in adding research to their skill set. In this connection, an innovative course is currently being developed in collaboration with the Vice Dean, Research and Innovation at Schulich Medicine & Dentistry, and the School of Nursing, University of Windsor. The Program will also increase the profile of research conferences such as the Windsor Cancer Research Group's Annual Conference and London Health Research Day.

DOCTOR OF MEDICINE (MD) WINDSOR PROGRAM

2011-2012 HIGHLIGHTS CONTINUED

- As the Student Affairs office has transitioned into Learner Equity & Wellness, Dr. Art Kidd, endocrinologist and former chief of staff at Hôtel-Dieu Grace Hospital will take on an expanded role. As the Assistant Director, Learner Equity & Wellness, his role supports both the undergraduate and graduate medical learners associated with the Windsor Program. Dr. Kidd will provide individual support for learner stress, as well as delivering proactive resources and programming aimed at learner success.
- The Leading Physicians of the World and the International Association of Healthcare Professionals has recognized Dr. Wassim Saad, postgraduate education academic director for Medicine, for his exceptional academic and clinical skills in the teaching and practice of internal medicine.
- Anna Farias, Anatomy Learning Specialist has been selected as one of the recipients to receive the 2013 CAME/ACÉM Certificate of Merit Award.

DOCTOR OF DENTAL SURGERY (DDS) PROGRAM

The Doctor of Dental Surgery (DDS) Program at Schulich Medicine & Dentistry received 507 applications for the September 2013 entry class for 56 available spaces. The Class of 2013 will be the first class to graduate from the new curriculum at Schulich Dentistry. The fourth year of the multidisciplinary curriculum was launched in September, 2012, and this academic year marks the first time the old curriculum has been completely phased out. The Dental Outreach Community Service (DOCS) program is now a mandatory element in the Year 4 curriculum of the DDS program.

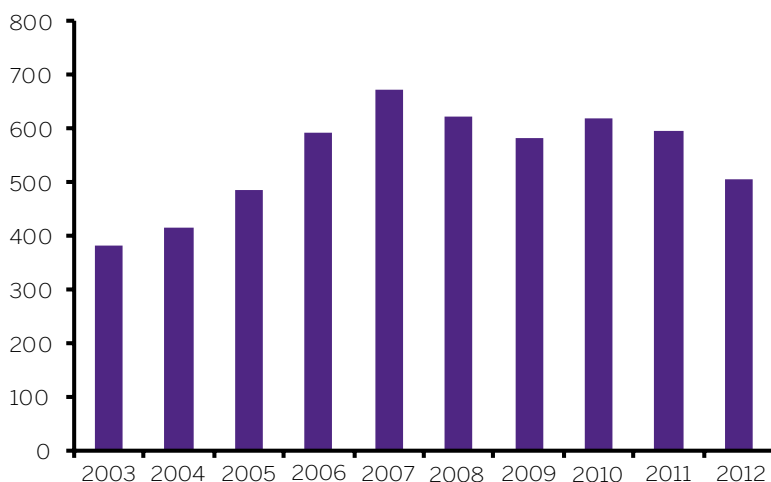
2011-2012 HIGHLIGHTS

- Dr. Harinder Sandhu, vice dean and director, Schulich Dentistry, was honoured with the prestigious American Dental Education Association (ADEA)/Sunstar Americas, Inc./Harry W. Bruce Jr. Legislative Fellow, marking the first time a dental educator from outside the United States was named to the Fellowship. Dr. Sandhu also received the Queen's Diamond Jubilee Medal.
- The development of a new General Anesthetic (GA) Suite is underway. The new Suite will provide care for complicated dental treatments including restorative work, oral surgery or periodontal treatments. Featuring two new operating rooms, six recovery bays, barrier-free washroom facilities, a nurses' station and space for clean-up and storage, the GA Suite will care for more than 60 people weekly. Construction will begin in early spring with an expected completion date of late summer. Once completed, the GA Suite will be a one-of-a-kind facility, not found at any other dental school in North America.

New Faculty

- Dr. Marcela Carrilho - Clinician Scientist in Biomaterials

SCHULICH DENTISTRY APPLICATIONS: 2003-2012



2005-2007 marked the admission years for the Double Cohort, the group of students that graduated the year the OAC curriculum was phased out of secondary schools.

2012 marked the first year a full four-year degree became a requirement for application to Schulich Dentistry. Prior to 2012, students could apply after two years of university studies.

SCHULICH DENTISTRY ENROLLMENT 2008-2012

	Year 1	Year 2	Year 3	Year 4	Total
2008-2009	53	56	56	56	221
2009-2010	56	56	56	56	224
2010-2011	55	56	56	56	223
2011-2012	56	56	56	55	223
2012-2013	56	55	56	56	223

DOCTOR OF DENTAL SURGERY (DDS) PROGRAM

Class of 2016 Profile

273	applicants invited for interviews
56	accepted into the program
24	average age of accepted students
88.35	per cent is the average GPA of those accepted
28	male applicants accepted, 50 per cent of the class total
28	female applicants accepted, 50 per cent of the class total

Demographics of the Class of 2016

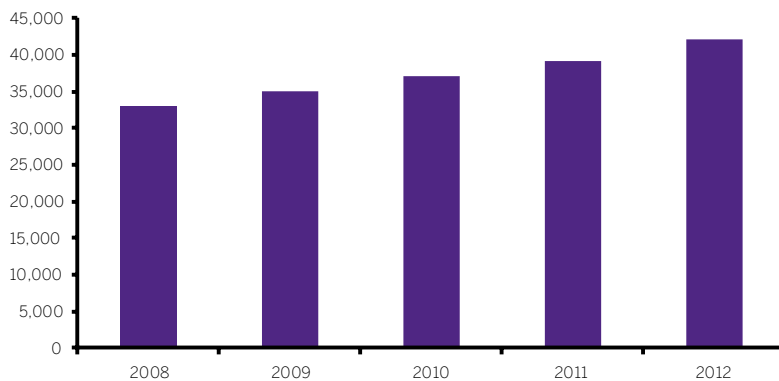
50	are from Ontario, 89 per cent of the class total
2	are from Alberta, 3 per cent of the class total
1	each from British Columbia, and Prince Edward Island, 1.78 per cent of the class total per province
4	international students, 7 per cent of the class total, two reside in Canada, two are from the United States

Class of 2016 Degree Information

5	have master's degrees
35	students have an Honors Bachelor of Science Degree
5	students have a General Bachelor of Science Degree
3	students have an Honors Bachelor of Medical Sciences Degree
2	students have an Honors Bachelor of Health Sciences Degree
1	student has a General Bachelor of Arts & Science student has a double degree of an Honors Bachelor of Arts, and Science student has an Honors Bachelor of Arts student has a General Bachelor of Applied Arts

DOCTOR OF DENTAL SURGERY (DDS) PROGRAM

SCHULICH DENTISTRY YEAR 1 TUITION HISTORY: 2008-2012



SCHULICH DENTISTRY TUITION HISTORY 2008-2012

	Year 1	Year 2	Year 3	Year 4
2008-2009	\$32,913	\$32,415	\$25,412	\$21,317
2009-2010	\$35,076	\$34,200	\$27,135	\$22,981
2010-2011	\$36,993	\$36,738	\$28,917	\$24,599
2011-2012	\$39,105	\$38,774	\$29,806	\$26,494
2012-2013	\$41,429	\$41,018	\$30,974	\$28,067

Schulich Dentistry Year 1 Tuition Fall 2012-2013
(includes equipment and clinic fees)

\$41,429

Canadian Dental Schools Year 1 Tuition Comparison Fall 2012-2013

\$9,930	University of Laval
\$14,262	McGill University (no instrument fees charged in first year)
\$19,688	University of Montréal
\$25,256	University of Manitoba
\$30,973	University of Alberta
\$33,127	Dalhousie University
\$37,359	University of Toronto
\$42,669	University of Saskatchewan
\$54,579	University of British Columbia

INTERNATIONALLY TRAINED DENTIST (ITD) PROGRAM

The Internationally Trained Dentist Program (ITD) leads to a Doctor of Dental Surgery (DDS) Degree. Upon successful completion of the two-year program, and the National Dental Examination Board examinations, candidates will be eligible for licensure/registration as a dentist in all Canadian provinces.

INTERNATIONALLY TRAINED DENTIST ENROLLMENT 2008-2012

	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
ITD 1	15	13	15	21	20
ITD 2	13	14	13	15	21
Total	28	27	28	36	41

INTERNATIONALLY TRAINED DENTIST TUITION AND FEES 2011-2012

Program Year	Tuition	Fees	Dental Kit	Total
Year 1	\$42,745	\$1,298.70	\$19,000	\$63,043.70
Year 2	\$42,745	\$1,298.70	-	\$44,043.70

BACHELOR OF MEDICAL SCIENCES (BMSC) PROGRAM

The BMSc Program is a four-year joint undergraduate program with the Faculty of Science. Students in Years 1 and 2 are enrolled in the Faculty of Science and in Years 3 and 4 enrolled in Schulich Medicine & Dentistry. The Program 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 multidisciplinary approach. Enrollment in the BMSc Program is limited and competitive. Enrollment capping began in 2006-2007 to ensure high quality education and availability of research projects, supervisors and spaces in advanced labs.

2011-2012 HIGHLIGHTS

- For the third consecutive year, a record number of high school students accepted offers of admission to Year 1 Biological and Medical Science First Entry. As a result of the increased demand for the BMSc Program, the target enrollment in Years 2 and 3 will increase to 500 students as of September 2013 from 480 and 450 respectively.
- New undergraduate modules and courses in Medical Health Informatics were approved.
- New courses introduced: Advanced Methods for Biochemistry, Advanced Research in Biochemistry, and Diseases of Ion Channels and the Nervous System.
- The Department of Biochemistry offered the fourth-year undergraduate thesis course during the summer of 2012, allowing students taking this course and Biochemistry 4999E in 2012-2013 and the opportunity to complete a master's degree in approximately 16 months.
- A new undergraduate module in Epidemiology & Biostatistics is under development, along with new courses in both Biostatistics and Epidemiology.
- Dr. Sarah McLean was hired to develop and teach Interdisciplinary Medical Sciences courses for inclusion in the Honors Specialization in Medical Sciences and to serve as an e-learning resource for the basic medical science departments.
- The Curriculum Mapping Project was initiated, and drafting of program outcomes was undertaken for the Interdisciplinary Medical Science modules.
- The Medical Sciences First Entry Program was developed as a gateway for high school students to the BMSc Program, to be effective September 2013.
- Admission to the BMSc Program was revised to occur in Year 3 for the students admitted to Western University in 2013.

BMSc Program boasts the **second highest** admission average at Western University.

Entering Average of High School Applicants

86.6%

for students applying to Year 1 Science

91.2%

for students applying to Year 1 Biological and Medical Science First Entry

BACHELOR OF MEDICAL SCIENCES (BMSC) PROGRAM

BMSc ENROLLMENT

Academic Year	Year 3	Year 4	Total
2003-2004	158	161	319
2004-2005	324	215	539
2005-2006	585	294	879
2006-2007	490	530	1020
2007-2008	320	471	791
2008-2009	287	359	646
2009-2010	351	301	652
2010-2011	343	327	670
2011-2012	369	341	710
2012-2013	428	374	802

Class of 2012 Career Survey

232 (78 per cent) of 299 graduates responded, outlining where they plan to be working or studying as of September 2012

34

per cent will be working, travelling or volunteering

29

per cent will be studying medicine

19

per cent will be studying various in graduate programs

9

per cent will be studying in other professional programs, including nursing, law, pharmacy, physiotherapy, education among others

7

per cent will be studying as special undergraduate students

1

per cent will be studying dentistry

POSTGRADUATE MEDICAL EDUCATION (PGME)

The Schulich School of Medicine & Dentistry offers 52 postgraduate medical education training programs, leading to certification either by the College of Family Physicians of Canada (CFPC) or by the Royal College of Physicians & Surgeons of Canada (RCPSC).

POSTGRADUATE MEDICAL EDUCATION PROGRAM OFFERINGS

College of Family Physicians of Canada PGY 1 Entry Program

- Family Medicine is offered at sites in London, Chatham-Kent, Goderich, Hanover, Ilderton, Mount Brydges, Petrolia, Stratford, Strathroy, Tavistock and Windsor

College of Family Physicians of Canada PGY 3 Enhanced Skills

- Category One Programs
 - Emergency Medicine, Care of the Elderly, Family Practice Anesthesia, Palliative Care
- Category Two Programs (including but not limited to the following)
 - Academic Family Medicine, Child Health, Chronic Disease Management Program, Obstetrics & Women's Health, Sport & Exercise Medicine, Windsor Hospitalist Program

The Royal College of Physicians & Surgeons of Canada PGY 1 Entry Programs

- Anatomical Pathology
- Anesthesiology
- Cardiac Surgery
- Diagnostic Radiology
- Emergency Medicine
- General Pathology
- General Surgery
- Internal Medicine
- Medical Microbiology
- Neurology
- Neuropathology
- Neurosurgery
- Nuclear Medicine
- Obstetrics & Gynaecology
- Ophthalmology
- Orthopaedic Surgery
- Otolaryngology - Head & Neck Surgery
- Paediatrics
- Physical Medicine & Rehabilitation
- Plastic Surgery
- Psychiatry
- Radiation Oncology
- Urology
- Vascular Surgery

The Royal College of Physicians & Surgeons of Canada Subspecialty Programs

- Cardiology
- Clinical Immunology & Allergy
- Clinician Investigator Program
- Clinical Pharmacology & Toxicology (Adult and Paediatric)
- Critical Care Medicine (Adult and Paediatric)
- Endocrinology & Metabolism
- Gastroenterology
- Geriatric Medicine
- Gynaecologic Oncology
- Gynaecologic Reproductive Endocrinology & Infertility
- Hematology
- Maternal-Fetal Medicine
- Medical Oncology
- Neonatal-Perinatal Medicine
- Nephrology
- Neuroradiology
- Paediatric Emergency Medicine
- Palliative Medicine (conjoint with CFPC)
- Psychiatry (Child & Adolescent)
- Respiriology
- Rheumatology
- Thoracic Surgery

Other

- Oral and Maxillofacial Surgery (OMFS)

POSTGRADUATE MEDICAL EDUCATION (PGME)

2011-2012 HIGHLIGHTS

- Total enrollment for 2011-2012 was 866 students. There were 186 Year 1 CaRMS entry positions for July 2012 and 187 for July 2013.
- Successfully met Ontario Ministry of Health & Long-Term Care expansion targets for specialty and Family Medicine residency positions. Throughout the decade from 2002-2012, PGME managed an increase in Postgraduate Year 1 (PGY1) positions from 92 to 186 (102 per cent increase) and an increase in total resident and fellow numbers from 478 to 866 (80 per cent increase).
- Successfully filled all designated PGY1 positions.
- Achieved New Program Approval status for three new residency training programs: Palliative Care, Child and Adolescent Psychiatry, PGY1 entry Vascular Surgery.
- Increased Southwestern Ontario Medical Education Network (SWOMEN) and Windsor resident training months.
- Prepared all programs for the onsite accreditation survey visit held September 30 - October 5, 2012. Every six years, postgraduate training programs must undergo a rigorous accreditation process involving onsite reviews conducted by the two national certifying colleges for residency training, the College of Family Physicians of Canada and the Royal College of Physicians and Surgeons of Canada. The accreditation visit was highly successful, and many strengths within individual programs and the postgraduate education (PGE) operation as a whole were highlighted. All programs hold status of accredited program.
- Completed vital policy renewal, including development of new policies on resident health and safety; supervision of postgraduate medical trainees on clinical rotations; assessment verification period evaluation; and revision of policies on resident evaluation and appeals; residency leaves of absence; and waivers of training.
- Initiated a new series of discussion-based seminars entitled "Hot Topics in Postgraduate Education." Three sessions were presented in the 2011-2012 academic year: Optimizing Resident Research Opportunities; Resident Duty Hours: Issues and Impacts; and Transitions in Medical Education.
- Participated in national Future of Medical Education in Canada (FMEC) Postgraduate Project including national launch of the project.
- Collaborated with London hospitals' Department of Medical Affairs to streamline joint projects including orientation, registration, credentialing processes, and the clinical education budget.
- Revised new resident orientation session with support from the School's Alumni Relations and Development Office.
- Established Learner Equity Wellness Office, including appointment of Director, Postgraduate Wellness.
- Hired an Educational Developer, a shared role with Continuing Professional Development (CPD).
- Many scholarly presentations were made at national and international medical education meetings by Schulich Medicine & Dentistry faculty. Among the highlights were Dr. Kathryn Myers, director, General Internal Medicine Program, receiving the "Best Research Paper" Award at the annual Research in Medical Education Meeting, held in conjunction with the 2011 Association of American Medical Colleges (AAMC) meeting and Dr. Christopher Watling, associate dean, PGME, receiving the "Best Oral Presentation" award for research presented at the 2012 Canadian Conference on Medical Education (CCME).
- Dr. Watling had a number of papers on medical education published in 2012, including Watling CJ, Driessen E, van der Vleuten C, Lingard L. Learning from clinical work: the role of learning cues and credibility judgment. *Med Educ* 2012;46(2):192-200, which was an "Editor's Choice" article, one of four articles published in *Medical Education* in 2012.

SOUTHWESTERN ONTARIO MEDICAL EDUCATION NETWORK (SWOMEN)

This year, SWOMEN coordinated on-campus meetings and site visits between the Vice Dean of Hospital & Interfaculty Relations, community preceptors, and representatives from all of the hospitals in the SWOMEN region. The purpose of these meetings was to improve efficiencies between Schulich Medicine & Dentistry and the distributed learning sites, and streamline processes for managing learners in rural/regional communities.

2011-2012 HIGHLIGHTS

- In support of the strategic planning process, SWOMEN undertook a comprehensive community engagement strategy with key stakeholders across the SWOMEN region. The findings were used to develop the framework and case for review at the Strategic Planning Retreat held in January 2013.
- In response to requests from preceptors, SWOMEN played a key role in the development of policy for the payment to preceptor corporations. This brought Schulich Medicine & Dentistry onto the same preceptor stipend payment platform as other Ontario universities.
- Under the direction of the Vice Dean, Hospital & Interfaculty Relations and in collaboration with the Department of Family Medicine, SWOMEN played an instrumental role in developing an online faculty appointment application process for physicians in the rural region and Windsor who wish to apply for a faculty appointment within Schulich Medicine & Dentistry.
- SWOMEN represented Schulich Medicine & Dentistry by presenting a poster on the MedQUEST program at Rendez-Vous, a conference which brought together more than 850 delegates from around the world with a theme of community participation in education, research and service.
- Meetings are underway to discuss how best to reposition Discovery Week and incorporate it into the new students' portfolio program. Discovery Week is the mandatory one-week placement in rural/regional communities across Southwestern Ontario at the end of Year 1 for all undergraduate Schulich Medicine students.
- For the first time, SWOMEN is an active participant in planning for the Society of Rural Physicians of Canada's (SRPC) annual conference. This conference brings together physicians, residents, students and representatives from distributed medical education programs from all over Canada to network and engage in workshops and presentations on rural and regional medicine. In addition to hosting various networking events, SWOMEN is co-sponsoring a student/resident research poster competition.
- With a view of broadening support of rural and regional research activities, SWOMEN began the process of reviewing the program's research mandate in its communities.
- SWOMEN's Annual Academic Planning Meeting was recorded and broadcast live through a web-based program. Utilizing this technology allowed community preceptors to participate from off-site for the first time.
- In collaboration with Continuing Professional Development (CPD) and the Department of Family Medicine, SWOMEN hosted the annual Joint Teaching Retreat which offered accredited learning opportunities for preceptors and staff regarding Schulich Medicine & Dentistry's Distributed Medical Education (DME) platform and new emerging technologies in medical education.
- In alignment with the strategy of community engagement, SWOMEN supported physician appreciation initiatives across the SWOMEN catchment area.
- In response to stakeholder requests for improved engagement between Schulich Medicine & Dentistry and the rural/regional communities, SWOMEN hosted two Town Hall events in Owen Sound and Woodstock with Dr. Michael J. Strong, dean, and sponsored an accredited "preceptor retreat" in Stratford.

SOUTHWESTERN ONTARIO MEDICAL EDUCATION NETWORK (SWOMEN)

KEY PROGRAM OUTCOMES

Southwestern Ontario Medical Education Network	May 2009 - April 2010	May 2010 - April 2011	May 2011 - April 2012
Number of Undergraduate Clerkship Trainees	112	127	128
Number of Undergraduate Clerkship Training Months	342	368.25	391
Number of Postgraduate Residents	202	233	266
Number of Postgraduate Resident Training Months	349	401	534
Number of Postgraduate Year 3 Enhanced Placements	51	25	24
Number of Pre-clerkship (UME 1 & 2 Windsor) Trainees	18	23	18
Number of Pre-clerkship (UME 1 & 2 Windsor) Training Months	20.5	23.5	21
Number of Rural Week/Discovery Week Trainees	147	124	169
Number of Rural Week/Discovery Week Training Months	37	31	42
Number of Clinical and Research Project Trainees	3	19	24
Number of Clinical and Research Project Training Months	5	29	36
Number of Pre-clerkship Summer Electives Trainees	13	11	10
Number of Pre-clerkship Summer Electives Training Months	13	11	10
Number of 4th Year Rural/Regional Electives Trainees	35	17	17
Number of 4th Year Rural/Regional Electives Training Months	37	23	23

GRADUATE STUDIES AND POSTDOCTORAL AFFAIRS OFFICE

The Graduate Studies and Postdoctoral Affairs Office has embarked on a strategic planning process, resulting in a formal strategic plan that addresses Western University's high priority areas: enhancing research excellence and research profile. This includes the creation of world class interdisciplinary research clusters; internationalization, including expansion of undergraduate/graduate student numbers and international enrollments; and expanding the complement and graduate program offerings.

2011-2012 HIGHLIGHTS

- This current funding year resulted in a total of \$5.5 million dollars being transferred to Schulich Medicine & Dentistry graduate programs for graduate student support and educational initiatives in 2012-2013 through the Revenue Sharing process.
- Rewarded by obtaining five of the University's eight Vanier Canada Graduate Scholarships in 2012-2013. Since these awards are funded at \$50,000 per award, per year, this success resulted in \$250,000 in graduate student support being added to graduate programs. The Vanier Scholars for 2012-2013 were Adrienne Elbert (Biochemistry); Krista Vincent (Anatomy and Cell Biology); Susan Huang (Medical Biophysics); Matthew Meyer (Epidemiology & Biostatistics); and Daniel Langohr (Biomedical Engineering).
- In total, 233 graduate students successfully competed for, and were awarded external scholarship support for their studies, resulting in a total of \$3.2 million in additional external funding being allocated to graduate programs thanks to the overall excellence of the School's students, their research supervisors and research areas.
- Johnson Chueng (MSc, Microbiology & Immunology) received the Governor General Medal for MSc research. Christopher Johansen (PhD, Biochemistry) was the Collip Medal awardee for 2011-2012.
- Two new stipend awards were created by the Dean, Schulich Medicine & Dentistry, and directed at increasing the graduate student complement. These included the Dean's Stipend for MSc to PhD transfer (two at \$5,000 per annum for the student's degree residency period) and the Dean's PhD stipend (two at \$25,000 per year for the student's degree residency period). Together these awards represent an additional \$60,000 per year directed at Schulich Medicine & Dentistry graduate student support.
- Dr. Michael J. Strong, dean, offered matching funds for the Doctoral Supervision Internal Grant (DSIG), calling the grant the Schulich Graduate Grant, to support ongoing graduate expansion at the PhD level. The value of the DSIG was \$2,000 per new domestic doctoral student. The Schulich School of Medicine & Dentistry's match was \$90,000 for the May and September 2012 term. Graduate expansion continues to be one of Western's highest priorities. The continuation of the DSIG is directed at achieving that strategic priority.
- Recruitment efforts resulted in attracting 568 applicants to programs, 492 MSc and 76 PhD students.
- A completely new suite of promotional graduate program marketing materials was created, including an exciting and professionally produced Schulich Medicine & Dentistry Graduate Studies Viewbook and program 'post-cards'. These materials are expected to greatly enhance recruitment efforts for the coming year.
- New graduate programs include a Master of Surgery program, a Medical Biophysics Commission on Accreditation of Medical Physics Educational Programs (CAMPEP) combined PhD program, a collaborative program in Musculoskeletal Health, and a Master of Public Health.
- Collectively, graduate programs have experienced unprecedented growth during the past ten years, growing from a total of 313 graduate students in 2001-2002 to 502 fundable graduate students in 2010-2011.

Total Number of Students in Schulich Medicine & Dentistry Graduate Programs for 2011-2012

522

295

students pursuing Master degrees,
17 are international students

227

students completing doctoral studies,
19 are international students

CLINICAL GRADUATE PROGRAMS

Schulich Medicine & Dentistry offers two Clinical Graduate Programs, one in Family Medicine and one in Orthodontics.

FAMILY MEDICINE 2011-2012 HIGHLIGHTS

- Welcomed a cohort of five Master of Clinical Science students, with international representation from Peru and Kuwait and from Canada (Newfoundland and Ontario), and one PhD Student from Canada (Nova Scotia).
- The first PhD student, Dr. Gerald Koh, graduated at the fall Convocation. There were also two MCISc graduates this year, Dr. Michael Lee-Poy at spring Convocation and Dr. Richard Denton at the fall Convocation.
- The MCISc and PhD Periodic Appraisal for review has been submitted. A site visit will follow.

Awards

- **Martin J. Bass/PSI Memorial Award in Family Medicine**
 - 2012 Recipients: Drs. Julie Copeland, Saadia Hameed, Jamie Wickett
- **Georges Lachapelle Scholarship**
 - 2012 Recipient: Dr. Sharon Hatcher

New Teaching Faculty

- Welcome to Drs. Sonny Cejic and Sonja Reichert who have begun to teach modules in the Research Methods in Family Medicine course.

New Faculty Appointments

- Dr. Lorelei Lingard
- Dr. Shelley Ross

GRADUATE PROGRAM IN ORTHODONTICS

- The Orthodontics Program at Schulich Dentistry provides academic background in clinical experience appropriate to the specialty of orthodontics. Graduates finish the program with a Master of Clinical Dentistry (MCID).
- The fully accredited program is 36 months long and includes advanced training in the basic sciences pertinent to orthodontics including:
 - The supervised diagnosis and treatment of selected complex orthodontic cases
 - The preparation of a research paper suitable for publication
 - Other related academic activities
- Admission to the Graduate Orthodontic Program is competitive with only three candidates accepted each year.
- The program currently has nine students, and at present, the Graduate Orthodontic Clinic has a waiting list of approximately 24-36 months.

CIHR STRATEGIC TRAINING PROGRAMS

The Schulich School of Medicine & Dentistry leads four Canadian Institutes for Health Research (CIHR) Strategic Training Programs. The purpose of these grants is to build capacity within Canada's health research community through the training and development of researchers, and to foster the development and ongoing support of careers in health research. Each program consists of a group of accomplished mentors/educators working collaboratively to offer a research training program.

CIHR Joint Motion Training Program in Musculoskeletal Health Research and Leadership (JuMP)

- Trainees have the unique opportunity to participate in cutting-edge transdisciplinary research and knowledge translation, while gaining the leadership skills and experience essential for scientific progress in the 21st century. JuMP trains leaders who can meet the upcoming challenges in musculoskeletal health research and who will significantly improve the health, mobility and quality of life of Canadians.

CIHR Strategic Training Program in Vascular Research (STPVR)

- The aim of this program is to develop research scientists with the expertise necessary to build future transdisciplinary teams focussed on the understanding, treatment and prevention of vascular disease. There are currently 27 students from a wide variety of faculties across Western University enrolled in the program. There is also one student from the University of Waterloo enrolled.

CIHR Training Grant in Interdisciplinary Primary Health Care Research

- The Transdisciplinary Understanding and Training on Research – Primary Health Care (TUTOR-PHC) is a national program in research training in primary health care to meet the immediate need for research capacity in this field. This is a one-year, national, interdisciplinary research training program funded by CIHR and the Canadian Health Services Research Foundation with representation from the disciplines of family medicine, nursing, psychology, social work, epidemiology, pharmacy, sociology and education. There are currently 22 co-investigators/mentors from multiple universities and disciplines across Canada. The TUTOR-PHC program accepts 12 Canadian trainees and two international trainees from multiple disciplines each year. The program's application process is very competitive with approximately 50 applications for the 12 Canadian positions each year. Most of the program's trainees are PhD students, postdoctoral fellows, or mid-career physicians with PHC research experience. Currently more than half of the programs trainees are also licensed health professionals.

CIHR Training Grant in Cancer Research and Technology Transfer (CaRTT)

- CaRTT brings trainees and mentors together to understand and emulate cancer research successes from Canada and around the world, present their own research findings, and critically consider how to enhance cancer research that promotes discovery and application of discovery to improve the lives of cancer patients. Prior to September 2011, there were 78 graduates of the program plus 170 graduates of the high school co-operative program (PEL, Partners in Experiential Learning) embedded in CaRTT. There are currently 29 graduate student and clinical post-graduate trainees and 56 PEL co-operative students enrolled.

COMBINED DEGREE PROGRAMS

Schulich Medicine & Dentistry offers six combined degree programs.

MD/PhD

- A seven-year concurrent program, in which students complete both their MD and PhD degrees.
- Total of 19 students enrolled in the sought-after program, with many more applicants for each available space.
- Two students completed the program in 2012, Dr. Matthew Lanktree is in residency at McMaster University; Dr. Caroline Albion, in Family Medicine in Tavistock.
- Dr. Denise Figlewicz, vice dean, Research and Innovation, assumed program leadership in the spring of 2012.
- A bi-monthly seminar series continued with guest speakers and student presenters.
- In July, the MD/PhD Program's Annual Research Day was held at Windermere Manor.
- Four students successfully defended in 2012. Congratulations to Drs. Harry Marshall, Pencilla Lang, Shirine Usmani and Jillian Belrose.

MD/BESc

- Seven-year program in which students earn both a Bachelor of Engineering Sciences and MD degree.
- Joint program between Schulich School of Medicine & Dentistry and Western Engineering.
- Two students were admitted in the class of 2016, five students are currently enrolled in the program, with a total of 14 graduates since 2006.

BMSc/HBA

- Five-year program offered jointly by the Faculty of Science, Schulich School of Medicine & Dentistry and the Richard Ivey School of Business.
- Students graduate with two honors degrees (BMSc and HBA).
- Two students graduated in June 2012. There are fifteen students registered in the combined program for 2012-2013, with an expected number of seven graduates in June 2013.

HEALTH SECTOR MBA

- The Richard Ivey School of Business MBA program provides a Health Sector stream in conjunction with the International Centre for Health Innovation.
- Students come from a range of public and private health care careers and educational backgrounds. All students have a passion and desire to work in the health sector.
- Current enrollment sits at 17 students for 2012-2013. Enrollment in 2011-2012 was 21 students.

COMBINED DEGREE PROGRAMS

DENTAL CLINICAL SCIENTIST PROGRAM

- For students planning a career that combines research with clinical dentistry.
- Students must complete a PhD prior to coming into this DDS program.
- There are currently four students completing the research component and four students completing the DDS component.

MD/MSc IN ORAL AND MAXILLOFACIAL SURGERY (OMFS) PROGRAM

- Six-year specialty postgraduate dental program began in 2007.
- Focuses on extensive clinical training in surgical correction of dentofacial deformities, maxillofacial trauma, pathology, reconstructive, dentoalveolar and implant surgery, and ambulatory anesthesia.
- One candidate enrolls annually in the program with six candidates currently enrolled.
- The first student will graduate in June 2013.
- The first accreditation report to the Commission on Dental Accreditation of Canada (CDAC) for the OMFS Program was completed in January 2013 and a site visit is scheduled for March.

OTHER PROGRAMS

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. In the fall of 2012 two indigenous students entered the Schulich Medicine Class of 2016 resulting in a total of five students of self-identified indigenous origin currently enrolled in medicine and three enrolled in dentistry.

GENERAL PRACTICE RESIDENCY

- Four students are accepted annually to this one-year program.

OFFICE OF INTERPROFESSIONAL HEALTH EDUCATION AND RESEARCH (IPHER)

The focus during the past academic year has been assisting faculty to embed Interprofessional Health Education (IPE) into their teaching, and continued support of medical, dental and medical science students in their development of interprofessional collaboration understanding. Activities have been targeted to those who will provide the highest impact on IPE learning.

Teaching

- An IPE Embedded Model for integration of IPE into all health programs at Western University has been developed. Most of the health programs at Western and its affiliated colleges have agreed for their students to be included. Schulich Medicine is reviewing their student involvement. In this model, all first-year students will be placed into interprofessional teams, completing three interprofessional learning activities in their first year of studies and two in subsequent years. The first activity was initially designed by a medical student and is titled “Travels Around the Professions.” IPE student teams will visit and gain hands on experience in trying out aspects of all the roles of different health professionals. This event will be held in September 2013. Planning for its implementation is underway.
- “IP Connections: Working through clients cases together” is now available, and a pilot of this self-directed interprofessional learning program took place in February 2012. Several medical students have signed up for this pilot. The program has two phases: the first phase sees the students learn to develop their IP collaboration team working skills and in the second phase allows them to apply these skills using one of IPHER’s online case studies.
- In September 2012, IPHER provided a session on IPE/IPC (interprofessional collaboration) to Clerkship students during their orientation.
- During the fall of 2012, a review of the IQP Report for the Master of Public Health program was conducted. IPHER assisted in refining the learning outcomes.

Continuing Professional Education

- September 2012: IPE Clinical Teaching Workshop was provided to 42 clinical teaching faculty. This six-hour workshop assists teachers to seek out IPE learning opportunities in practice settings for their students. A physician from the Curriculum Committee for the School attended.
- November 2012: An application to the Schulich Medicine & Dentistry Innovation in Teaching grant call was developed and submitted to adapt the IPE Faculty Teaching Certificate Program into a set of eight online modules to be delivered asynchronously. This change is in response to Schulich Medicine faculty who indicated their inability to spend the time required in the previous face-to-face program.

London Interprofessional Healthcare Students Association (LIHSA)

- The IPHER Coordinator serves as faculty advisor to LIHSA executive. One medical student was on the executive this year.
- LIHSA IP Team: The LIHSA sponsored two IP teams of students for the Ontario Team Challenge. Two teams were developed with one medical student on each team. The challenge to select the winning team to go on to the national challenge will occur in March. The Coordinator provided an orientation to team work for the challenge.
- IPHER staff with LIHSA members provided a workshop “Why Do We have So Many Different Health Providers?” during the Canadian Medical Hall of Fame’s Discovery Days event at Western University in May, 2012.

OFFICE OF INTERPROFESSIONAL HEALTH EDUCATION AND RESEARCH (IPHER)

Research

- Analysis of Clerkship students' interprofessional shadowing reflections: A qualitative review of three years of these reflections is being undertaken by Drs. Orchard and Fung to determine the impact of these experiences on students learning about other health professionals' roles.
- Study of Creating Attitudes Towards Interprofessional Collaborative Client-Centred Practice Amongst Medical Students: This review is being undertaken by Drs. Orchard and Fung. The first year of this study has been completed. One medical student was guided in the data analysis and then presented the findings at a seminar.

Other Activities

- Western Allied Team for Community Health (WATCH) is a group of students started through the Hippocratic Society working as interprofessional student teams working with children in underprivileged areas. The IPHER Coordinator provided onsite visits to the subsidized housing sites of the Health Zone NP Led Clinic where they will begin their student placements. The focus will be on building self-esteem in the children through a variety of activities. Over the summer several medical students volunteered with the Southdale Housing Unit Chaplaincy to work with these children.
- IPHER offered a workshop titled "IP Collaboration in Action: Working with Marginalized Groups" that was co-sponsored by the Office of Global Health. This workshop was well attended by medical students. Teams of interprofessional students completed team activities on carving pumpkins and then worked collaboratively together in designing activities to be used by the WATCH program. Several medical students expressed how valuable the learning had been for their own future practice in just learning more about other professions.
- "Circle of Care" game was developed by a group of medical students and an online version was created during the summer and early fall. It will be tested with all third-year medical students working in teams to play the game in March, 2013.

CENTRE FOR EDUCATION RESEARCH AND INNOVATION (CERI)

Since its opening in 2009, the Centre for Education Research & Innovation (CERI) has made significant progress as a thriving education research community at the Schulich School of Medicine & Dentistry, a vibrant, interdisciplinary axis for education research at Western University, a respected education research training site in Canada, and an internationally recognized producer of new knowledge.

2011-2012 PROGRAMS AND ACTIVITIES

MHPE-Canada Program

- Two-year, part-time, Master of Health Professions Education degree program launched in collaboration with the School of Health Professions Education at Maastricht University in the Netherlands, and the Centre for Health Education Scholarship (CHES), University of British Columbia.
- Thesis supervision and mentorship are offered by local experts in the field.
- In June, 2012, the inaugural cohort of eight local physicians began the program.

CERI Education Research Fellowship

- Program for clinical educators advancing a research career.
- Provides mentorship, collaboration, and protected time for faculty to develop a research program.
- Department Chairs commit to ongoing support for faculty to take up clinician-educator-researcher role.
- One new fellowship awarded in 2012.

Annual Research Symposium

- Peer-reviewed research conference for health professions education research.
- 2012 Annual Weston Lecture by Dr. David Irby, University of California, San Francisco School of Medicine.
- 31 presentations by faculty, medical trainees, and graduate students.

Knowledge Translation Rounds

- Held three times per year, the round is focussed on interactive discussion on medical education research conducted locally and abroad.
- This year, 17 faculty and graduate students presented on trending topics and their implications on the education practices at Schulich School of Medicine & Dentistry.

Visiting Scholars

- Tim Dornan, Maastricht University, the Netherlands
- Dan Pratt, University of British Columbia
- Wendy Crebbin, Royal Australian College of Surgeons
- Penelope Engle-Hills, Cape Peninsula University, South Africa
- Alexandra Cope, Imperial College, UK
- Xiaoyan Lu, Sichuan University, China
- Roger Kneebone, Imperial College, UK
- Geoff Norman, McMaster University

CENTRE FOR EDUCATION RESEARCH AND INNOVATION (CERI)

2011-2012 HIGHLIGHTS

Research Awards

- Kathryn Myers (w/ Elaine Zibrowski) - Outstanding Paper Award, Association of American Medical Colleges, 2011 Research in Medical Education Annual Meeting.
- Sayra Cristancho - Top Ten Abstract, 2012 Association of Surgical Education Annual Meeting.
- Laura Diachun - Top Ten Poster, 32nd Annual Scientific Meeting of the Canadian Geriatrics Society.
- Christopher Watling - Research Award for Best Oral Presentation, 2012 Canadian Conference on Medical Education (CCME), Canadian Association for Medical Education (CAME).
- Elaine Van Melle (w/ Mark Goldszmidt) - Honorable Mention for Best Poster, 2012 Canadian Conference on Medical Education.
- Stella Ng - Top Ten Research Poster, Association for Medical Education in Europe Annual Meeting.
- Kathryn Myers (w/ Elaine Zibrowski) - Outstanding Paper Award, Association of American Medical Colleges, 2012 Research in Medical Education Annual Meeting.
- Mark Goldszmidt (w/ Natasha Aziz) - New Investigator Award, Association of American Medical Colleges, 2012 Research in Medical Education Annual Meeting.

Grants

- Lisa Shepherd (w/ L. Lingard & E. Zibrowski) Academic Health Science Alternate Funding Plan (AHSC AFP) Innovations Fund 2011-2012. Improving the Emergency Medicine Clinical Clerkship: Impact on the Medical Student, the Emergency Physician and Emergency Department patient flow in an Academic Health Science Centre (\$80,000).
- Marie-Eve LeBel (w/ S. Cristancho) Physician Services Incorporated 2012. Observational learning strategies in simulation-based arthroscopic surgical training (\$48,000).
- Sayra Cristancho, RCPSC Medical Education Grant 2012. Evolving competencies for advanced surgical practice: Decision-making during challenging surgical situations (\$48,185).
- Valerie Schulz (w/ L. Lingard) AHSC AFP Innovations 2012. Palliative care on the heart failure care team: Mapping patient and provider experiences and expectations, to support guideline implementation (\$134,587).
- Lorelei Lingard, CIHR Operating Grant 2012-13. Palliative care on the heart failure care team: Mapping patient and provider experiences and expectations (\$179,837).
- Sayra Cristancho, CIHR Operating Grant 2012-2013. Development of core competencies for advanced surgical practice (\$117,882).

Additional Recognition

- Lorelei Lingard, 2012 Schulich Distinguished Leader with an Excellence in Education Award – Graduate/ Postgraduate.

CENTRE FOR EDUCATION RESEARCH AND INNOVATION (CERI)

2011-2012 HIGHLIGHTS CONTINUED

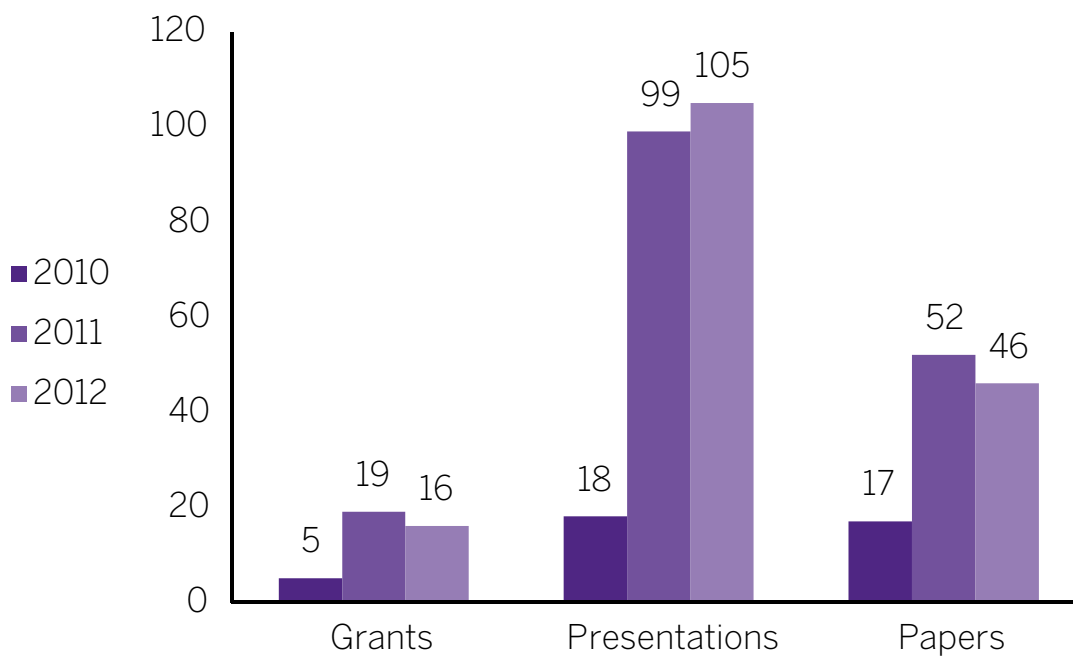
Supervision & Mentorship

- Welcomed Taryn Taylor, Obstetrics & Gynaecology, as a fellow in the Clinical Investigator Program (L. Lingard, supervisor).
- Four Schulich Medicine students, supervised by CERI faculty and fellows, studied in the Summer Research Training Program.
- Four medical students and one engineering co-op student served as research volunteers.

Awards, Grants and Publications

- The program continues to excel in terms of numbers of high-profile research awards, grants, presentations, and publications.

GRANTS, PRESENTATIONS AND PAPERS: 2010-2012



CONTINUING PROFESSIONAL DEVELOPMENT (CPD)

The Continuing Professional Development (CPD) office functions as an integral component of the Education Office within the Schulich School of Medicine & Dentistry. The mission of CPD is to develop, implement and evaluate evidence-informed professional development programs and scholarly activities that meet the educational needs of health care providers, faculty and staff, while supporting the educational mission of the School.

2011-2012 HIGHLIGHTS

- Developed and conducted 14 Continuing Medical Education (CME) programs in collaboration with Schulich Medicine departments.
- Implemented a needs assessment survey for Schulich Medicine residents which will support the review of current teaching curriculum and the development of new courses to fill identified gaps.
- Secured an Academic Medical Organization of Southwestern Ontario (AMOSO) grant to implement a 12-month academic detailing research project for psychiatrists in Southwestern Ontario on the topic of antipsychotic polypharmacy.
- Offered workshops using a variety of delivery methods such as videoconferencing, Blackboard Collaborate, and face-to-face workshops to support Southwestern Ontario Medical Education Network (SWOMEN) and the Windsor Program.
- Delivered customized workshops at the School for the College of Physicians and Surgeons of Ontario.

Continuing Medical Education

- Approved 105 courses for Mainpro M1 Credits.
- Approved 116 courses for Maincert Section 1 Credits.
- Accredited education enabled participation of 9,613 health care professionals, comprised of 64,029 participant-hours of education.

Faculty & Staff Development

- Offered 82 workshops, involving 975 participants.
- Awarded 11 Mini Fellowships (\$35,210).
- Awarded 5 Instructional Innovation and Development Fund awards (\$29,912).

CONTINUING DENTAL EDUCATION (CDE)

Continuing Dental Education (CDE) offers a wide range of clinically relevant, basic science and business programs. Creating 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
2003	34	18	6	765
2004	41	24	5	715
2005	38	25	12	753
2006	35	29	11	785
2007	28	31	5	825
2008	26	31	8	789
2009	20	33	8	665
2010	27	33	14	705
2011	30	35	10	695
2012	27	37	8	710

CLINICAL SKILLS LEARNING PROGRAM

During the 2011-2012 year, the Clinical Skills Learning Program at Schulich Medicine & Dentistry increased the new simulated patient program for non-School users including Western University and Fanshawe College Nursing programs; Fanshawe's social work, radiology, and respiratory therapy programs; the DeSouza Chemotherapy Grand River Cancer Centre programs; and the Pharmacy Examining Board of Canada Pharmacy Technician licensing exams at two per year. The Program also experienced a major increase in clinic bookings for both programs and independent learners.

CLINICAL SKILLS LEARNING PROGRAM SUPPORT

The Clinical Skills Learning Program is supported by:

- 1,500 faculty members.
- 540 undergraduate students.
- More than 600 postgraduate residents and fellows.
- 250 dental students.
- Numerous other health care providers including pharmacy, social work, physiotherapy, and nursing.
- External organizations including the Medical Council of Canada, Pharmacy Examining Board of Canada, and the College of Physicians and Surgeons of Ontario.

Clinical Skills Learning Program Key Program Statistics

582

active simulated patients

103

people on a waiting list to become simulated patients

73

active volunteer patients

8,200 +

contact hours, including teaching and evaluation with health care students

17

new programs/projects undertaken in 2011-2012

PROGRAM EVALUATION OFFICE

The Program Evaluation Office designs and facilitates programmatic evaluation across the continuum of education at the Schulich School of Medicine & Dentistry. Evaluations not only provide quality assurance indicators, but also measure the impact of the School's curriculum on specific outcomes, such as specialty choice or practice location as part of the comprehensive medical graduate tracking initiative. Collaborative distance medical education research with the Southwestern Ontario Medical Education Network (SWOMEN) is also core to the Program Evaluation Office.

2011-2012 HIGHLIGHTS

- Ongoing support of the education program at the Schulich School of Medicine & Dentistry, specifically the Undergraduate Medical Education (UME), Postgraduate Medical Education (PGME) and Continuing Professional Development (CPD); successful publication of a number of research posters in partnership with SWOMEN; launch of a major longitudinal graduate tracking program that follows learners through various stages of their medical training and careers to track the impact of medical education curriculum and residency training on health and human resources in Southwestern Ontario. Completion of the 2011-2012 cycle of the Undergraduate Course and Rotation evaluation process.
- Administration and management of Western University's instruction evaluations for the School's UME programs.
- one45 project initiatives including enhanced rotation management, expansion of data capturing capabilities and facilitation of Postgraduate Year 1 (PGY1) scheduling. one45 is the system used for sharing rotation schedules, program evaluations and assessments with both residents and faculty.
- Launch of a longitudinal graduate tracking program that follows learners through various stages of their medical training and careers (Year 1, Year 4 post-CaRMS match, residents, and clinicians at five and 10 years into practice) using mixed-method approach of surveys, interviews, and focus groups.
- Internal literature and process reviews of program evaluation methodologies and processes.
- Project manage and post-project review of the PGY1 schedule process.
- Project manage process for migrating medical trainee data (MTD) responsibilities from Medical Affairs to the School through new developments in partnership with one45.
- Poster entitled "MedQUEST: A cohort outcome measure of a rural physician and health care profession recruitment strategy aimed at secondary school students" presented at Rendez-Vous 2012 "Together and Engaged" - a medical education conference held in Thunder Bay, Ontario from October 9-14 which involved over 850 delegates from 47 different countries. The presentation involved a review of the MedQUEST program, the methodology involved in the study and key findings with respect to post-secondary education choices, volunteer work, employment and knowledge of rural regional medicine.
- Development, design, delivery and analysis of SWOMEN medical learner conference evaluation.
- Internal review of the methodology employed for the Discovery Week Experience Evaluation (DWEE).
- Development, design and delivery of Discovery Week report for community coordinators.



FINANCIAL ACCESSIBILITY

SCHULICH SCHOOL OF MEDICINE & DENTISTRY
ANNUAL PERFORMANCE REVIEW | 2012

SCHOLARSHIPS, AWARDS AND BURSARIES

The Schulich School of Medicine & Dentistry is committed to providing more financial assistance per student than any other medical or dental school in Canada. To ensure outstanding education is available for all, financial assistance for students in need takes top priority at the School. The Schulich Scholarships, funded through a generous endowment from the School's benefactor, Seymour Schulich LLD'08, and matched by government grants, provide major support to students in medical sciences, the undergraduate medicine (MD) program, the dental sciences (DDS) program, and graduate studies.

SCHULICH SCHOLARSHIPS

Medicine

60
annual recipients

\$20,000
value per year, per student

\$80,000
total value per student
over length of program

\$1,200,000
total annual value
of the scholarship

Dentistry

15
annual recipients

\$10,000
value per year, per student

\$40,000
total value per student
over length of program

\$150,000
total annual value
of the scholarship

Graduate Studies
Basic Medical Sciences

50+
annual recipients

\$15,000
(\$5,000 Schulich Scholarships,
\$10,000 OGS/QEII)*

-
depends on program length

\$750,000 +
total annual value
of the scholarship

*OGS stands for Ontario Graduate Scholarships
QEII stands for Queen Elizabeth II Scholarships

FINANCIAL ASSISTANCE AVAILABLE FOR GRADUATE STUDENTS

Type of Scholarship	Number Awarded (Fiscal 2012)	Total Dollars Awarded as of November 1, 2012
OGS, QEII SSHRC, NSERC & CIHR Scholarships* (matching funds, competitive)	233	\$3,230,620.45
Schulich Graduate Scholarship and Western Graduate Research Scholarship	1361 term awards	\$3,497,198
Total		\$6,727,818.45

*OGS stands for Ontario Graduate Scholarships
QEII stands for Queen Elizabeth II Scholarships
SSHRC stands for Social Sciences and Humanities Research Council
NSERC stands for Natural Sciences and Engineering Research Council of Canada
CIHR stand for the Canadian Institutes of Health Research

SCHOLARSHIPS, AWARDS AND BURSARIES

FINANCIAL ASSISTANCE FOR MEDICINE AND DENTISTRY STUDENTS 2011-2012

Total Value of Awards

\$4,126,833

Total Number of Awards Available

858

NEEDS-BASED AWARDS

Program	Number Available	Total Value
Medicine - Schulich Awards	60	\$1,200,000
Medicine - Other	126	\$605,247
Dentistry - Schulich Awards	15	\$150,000
Dentistry - Other	6	\$6,000
Subtotal	207	\$1,961,247

PRIVATELY FUNDED BURSARIES

Program	Number Available	Total Value
Medicine	130	\$155,925
Dentistry	19	\$66,850
Subtotal	149	\$222,775

INSTITUTIONAL BURSARIES

Program	Number Available	Total Value
Medicine	333	\$1,103,861
Dentistry	169	\$838,950
Subtotal	502	\$1,942,811



RESEARCH

SCHULICH SCHOOL OF MEDICINE & DENTISTRY
ANNUAL PERFORMANCE REVIEW | 2012

RESEARCH HIGHLIGHTS

The Schulich School of Medicine & Dentistry is proud to be the base for focussed, innovative research. The School has a dynamic environment where investigators can 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.

2011-2012 HIGHLIGHTS

- Dr. Denise Figlewicz named vice dean, Research and Innovation.
- Two Schulich Medicine & Dentistry professors named Distinguished University Professors:
 - Dr. Moira Stewart
 - Dr. Stanley Dunn
- Four faculty named to Canadian Academy of Health Sciences:
 - Dr. William Avison
 - Dr. William Clark
 - Dr. Ann Chambers
 - Dr. Richard Kim
- Dr. Terry Peters, scientist, Robarts Research Institute and professor, Departments of Medical Imaging and Medical Biophysics was awarded the Hellmuth Prize, Western's highest award for achievement in research.
- Recent studies led by Adrian Owen, a Canada Excellence Research Chair (CERC) in Cognitive Neuroscience and Imaging at Western's Centre for Brain and Mind (CBM), have proved that a significant minority of vegetative state patients are consciously aware and, in some cases, can communicate with the outside world using functional magnetic resonance imaging (fMRI).
- The brainchild of Schulich Medicine & Dentistry professors Jerry Battista and Kevin Jordan, the DeskCAT - a miniature CT (Computed Tomography) scanner small enough to sit on a counter - brings a novel and interactive method to teach CT imaging techniques to a wide range of students.
- Inaugural London Health Research Day 2012 was held the London Convention Centre. This event celebrates research achievement by London trainees was coordinated by Schulich Medicine & Dentistry and Lawson Health Research Institute.

CANADA RESEARCH CHAIRS

The Canada Research Chairs Program was launched by the federal government in 2000 to help Canadian universities attract and retain the world's best researchers. Tier 1 Chairs are tenable for seven years and renewable. Reserved for researchers acknowledged by their peers as world leaders in their field, the School receives \$200,00 annually per chair held. Tier 2 Chairs are tenable for five years and renewable once. Reserved for emerging researchers with potential to lead in their field, the School receives \$100,00 annually per Tier 2 Chair held.

Canada Research Chair	Current Chair Holder	Tier
Oncology	Dr. Ann Chambers	1
Neurodegeneration and Stem Cell Regeneration	Dr. Sean Cregan	2
Medical Imaging	Dr. Aaron Fenster	1
Molecular Neurobiology	Dr. Stephen S. G. Ferguson	1
Viral Immunity and Pathogenesis	Dr. S.M. Mansour Haeryfar	2
Fetal and Maternal Health	Dr. Victor Khin Maung Han	1
Edith Schulich Vinet Canada Research Chair in Human Genetics	Dr. Robert A. Hegele	1
Experimental Cardiology	Dr. Morris Karmazyn	1
Gap Junctional Intercellular Communication and Disease	Dr. Dale W. Laird	1
Functional Genomics and Cellular Proteomics	Dr. Shawn Li	2
Translational Magnetic Resonance Imaging	Dr. Charles McKenzie	2
Functional Magnetic Resonance Imaging	Dr. Ravi S. Menon	1
Genome Bioinformatics	Dr. Peter Rogan	1
Structural Neurobiology	Dr. Gary S. Shaw	1
Dr. Brian W. Gilbert Canada Research Chair in Primary Health Care	Dr. Moira Stewart	1
Health Services Research	Dr. Amardeep Thind	2
Bioethics	Dr. Charles Weijer	1

NOTABLE RESEARCH PUBLICATIONS

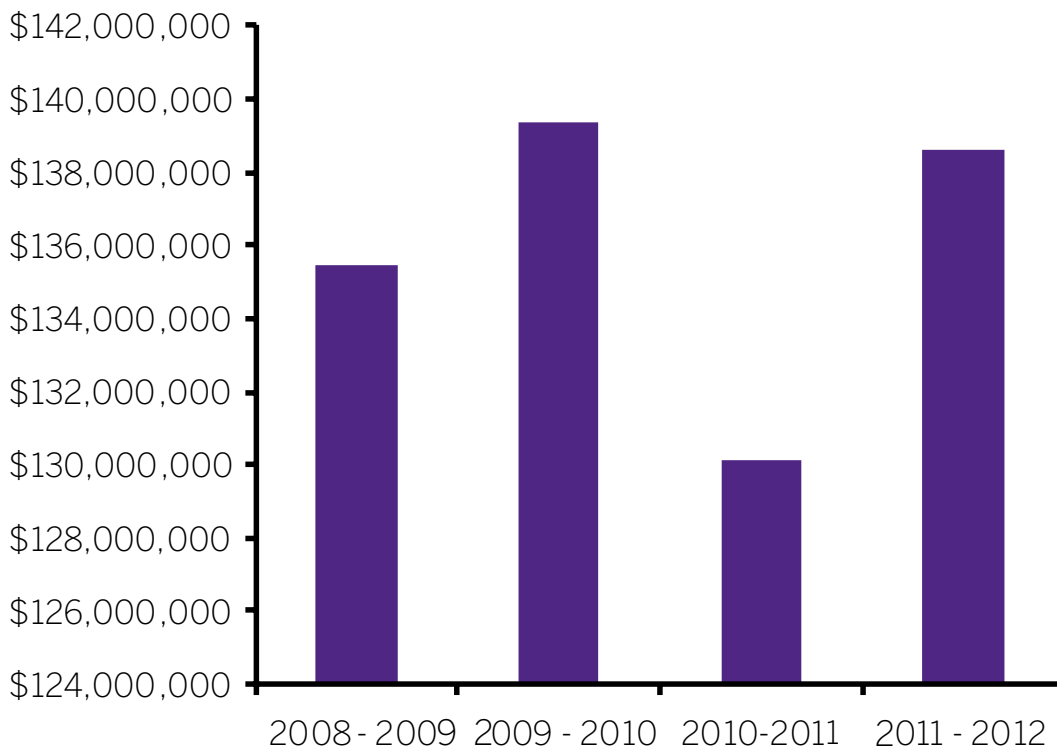
2011-2012 PUBLICATION HIGHLIGHTS

- Kleinstiver BP, Wolfs JM, Kolaczyk T, Roberts AK, Hu SX, Edgell DR. Monomeric site-specific nucleases for genome editing. *Proceedings of the National Academy of Sciences of the United States of America* 2012 109 (21) 8061-8066.
- Ogilvie JD, Rieder MJ, Lim R. Acetaminophen overdose in children. *Canadian Medical Association Journal* 2012 Sep 18;184(13):1492-6.
- McCallum M, Shaw SD, Shaw GS, Creuzenet C. Complete 6-deoxy-D-altro-heptose biosynthesis pathway from *Campylobacter jejuni*: more complex than anticipated. *The Journal of Biological Chemistry*, 287, 29776-29788.
- Taboski, MAS, Sealey DCF, Dorrens J, Tayade C, Betts DH, Harrington L. Long Telomeres Bypass the Requirement for Telomere Maintenance in Human Tumorigenesis. *Cell Reports*, Volume 1, Issue 2, 91-98, 02 February 2012.
- White JA, Fine NM, Gula L, Yee R, Skanes A, Klein G, Leong-Sit P, Warren H, Thompson T, Drangova M, Krahn A. Utility of cardiovascular magnetic resonance in identifying substrate for malignant ventricular arrhythmias. *Circulation. Cardiovascular imaging*. 2012; 5: 12-20.
- Kowalczyk I, Duggal N, Bartha R. Proton magnetic resonance spectroscopy of the motor cortex in cervical myelopathy. *Brain* (2012) 135 (2): 461-468.
- Naci L, Monti MM, Cruse D, Kubler A, Sorger B, Goebel R, Kotchoubey B, Owen AM. Brain-computer interfaces for communication with nonresponsive patients. *Annals of neurology* Volume 72, Issue 3, pages 312–323, September 2012.
- Guzman MS, De Jaeger X, Raulic S, Souza IA, Li AX, Schmid S, Menon RS, Gainetdinov RR, Caron MG, Bartha R, Prado VF, Prado MAM. Elimination of the Vesicular Acetylcholine Transporter in the Striatum Reveals Regulation of Behaviour by Cholinergic-Glutamatergic Co-Transmission. *PLoS Biol* 9(11): e1001194. doi:10.1371/journal.pbio.1001194 .
- Leask A. Egr-ly awaiting a “personalized medicine” approach to treat scleroderma. *Journal of Cell Communication and Signaling*. (2012) 6:111–113.
- Siddiqui NF, Coca SG, Devereaux PJ, Jain AK, Li L, Luo J, Parikh CR, Paterson M, Philbrook HT, Wald R, Walsh M, Whitlock R, Garg AX. Secular trends in acute dialysis after elective major surgery--1995 to 2009. *Canadian Medical Association Journal* August 7, 2012 vol. 184 no. 11.
- Beyea MM, Reaume S, Sawyez CG, Edwards JY, O'Neil C, Hegele RA, Pickering JG, Huff MW. *Journal of the American Heart Association*. 2012;1:e000810, published online June 15, 2012, doi:10.1161/JAHA.112.000810.

RESEARCH FUNDING

Research funding at the Schulich School of Medicine & Dentistry comes from a number of sources. Approximately 33 per cent is provided by federal agencies, approximately 20 per cent is from Canadian and foreign industry, while the balance is provided through provincial funding, Canadian and foreign charitable institutions, local support, and internal funding. The largest single resource of support is the Canadian Institutes of Health Research (CIHR). Schulich Medicine & Dentistry researchers account for approximately two-thirds of total research funding at Western University.

RESEARCH FUNDING 2008-2012



ROBARTS RESEARCH INSTITUTE

Robarts Research Institute, established in 1986, has a mission of accelerating medical discovery. Scientists at Robarts are conducting basic and clinical research that will have an impact on many of today's most devastating diseases. This remarkable science is driven by a common philosophy: to bring medical discoveries and new technologies faster to clinical trial, faster to market, and, ultimately, faster to the public.

2011-2012 HIGHLIGHTS

- **February 2012** – Dr. Geoffrey Pickering and team were awarded a Canadian Cancer Society Innovation Grant for their proposition that increasing blood supply to a tumour, in effect feeding it, could prevent cancer from spreading to other parts of the body.
- **April 2012** – Ontario Institute for Cancer Research (OICR) announced funding for The Imaging Translation Platform, which focusses on the development of new tools to help to introduction and testing of new imaging systems, and The Smarter Imaging Program, focussed on developing new imaging tools to provide improved diagnosis of specific cancers. Dr. Aaron Fenster from Robarts is a co-lead on both these projects.
- **April 2012** – Dr. Ravi Menon's lab received \$50,000 in support from the Cuddy family to continue their imaging work on early diagnosis and monitoring of Multiple Sclerosis.
- **August 2012** – Dr. David Spence published research showing that eating egg yolks accelerates atherosclerosis in a manner similar to smoking cigarettes. As mentioned in the Media Relations section, there was much public interest in this research.
- **August 2012** – Dr. Terry Peters chaired the North American Surgical Robotics Summer School along with Rajni Patel from Canadian Surgical Technologies and Advanced Robotics (CSTAR). Sixty-five graduate students from the United States, Canada, Japan, Qatar and Denmark participated in the intensive course.
- **October 2012** – Robarts Research Institute welcomed Dr. Michael Rosbash, Peter Gruber Professor of Neuroscience at Brandeis University and the 2012 Canada Gairdner Lecture Laureate to present his work, "Circadian Rhythms: Molecules, Neurons and circuits".
- **October 2012** – Dr. Paula Foster was awarded a \$200,000 innovation grant from the Canadian Cancer Society to further her research on understanding metastasis, which could potentially lead to the development of new therapies for cancer.
- **October 2012** – Drs. Marco and Vania Prado and their team created a mouse model that reproduces some of the chemical changes in the brain that occur with Alzheimer's, which helped shed new light on the disease.
- **November 2012** – Robarts Research Institute held a Public Forum and a Symposium on Spinal Cord Injury in association with the J. Allyn Taylor International Prize in Medicine which had a focus of spinal cord research this year. The day also involved the Leaders in Innovation Dinner with special guest, Alec Baldwin. Dr. V. Reggie Edgerton was awarded the Prize for 2012.
- **November 2012** – Dr. Brian Feagan was one of the authors of a paper which investigated the efficacy of a drug called Ustekinumab which can be used to treat moderate-to-severe Crohn's disease, a chronic inflammatory bowel disease. The article was published in the New England Journal of Medicine.



AWARDS

SCHULICH SCHOOL OF MEDICINE & DENTISTRY
ANNUAL PERFORMANCE REVIEW | 2012

AWARDS RECEIVED BY FACULTY, STAFF AND STUDENTS

Faculty, staff and students alike at Schulich School of Medicine & Dentistry annually receive recognition and awards offered throughout the School, the University and through external agencies. The School is very proud of the accomplishments of all faculty, staff and students.

DEAN'S AWARDS OF EXCELLENCE 2012 WINNERS

Schulich Excellence in Education Awards (Undergraduate)

Schulich Educator Awards

- Dr. George Kim, Department of Family Medicine
- Dr. Mark Speechley, Department of Epidemiology & Biostatistics

Schulich Excellence in Education Awards (Graduate/Postgraduate)

Schulich Distinguished Leader Award

- Dr. Lorelei Lingard, Centre for Education Research and Innovation (CERI)/Department of Medicine

Schulich Educator Awards

- Dr. Lee Cyn Ang, Department of Pathology
- Dr. Rob Nicolson, Department of Psychiatry
- Dr. Kathy Nixon Speechley, Department of Epidemiology & Biostatistics/Department of Paediatrics

Dean's Awards of Excellence for Faculty

Individual

- Dr. Richard Kim, Department of Medicine
- Dr. Stephen Lomber, Department of Physiology and Pharmacology
- Dr. Louise Moist, Department of Medicine
- Dr. David Heinrichs, Department of Microbiology & Immunology

Junior Faculty

- Dr. Lynne Postovit, Department of Anatomy & Cell Biology

Lifetime Achievement Award

- Dr. Duncan MacRae, Department of Otolaryngology - Head & Neck Surgery

Dean's Awards of Excellence for Staff

- Brenda Hennessey, Southwestern Ontario Medical Education Network (SWOMEN)
- Mair Hughes, Department of Pathology
- Judy Penchuk, Department of Biochemistry
- Jennifer Devlin, Children's Health Research Institute (CHRI)
- Jen Foxcroft, Department of Oncology

AWARDS

WINDSOR PROGRAM AWARDS OF EXCELLENCE

Schulich Excellence in Education Awards (Undergraduate)

Schulich Educator Awards

- Dr. Raphael Cheung
- Dr. Sheldon Lewis
- Michael Farquhar

Associate Dean's Awards of Excellence

- Kelly Ducharme
- Drew Foley
- Dr. Dale Ziter

2012 AWARDS FROM EXTERNAL AGENCIES

Association of American Medical Colleges/Research in Medical Education Best Paper Award

- Dr. Kathryn Myers

Association of American Medical Colleges/Research in Medical Education New Investigator Award

- Dr. Mark Goldszmidt

American Academy of Otolaryngology - Head and Neck Surgery Distinguished Service Award

- Dr. Lorne Parnes

The Canadian Ophthalmological Society 2012 Lifetime Achievement Award

- Dr. W. Bruce Jackson

International Association for Dental Research Salivary Researcher of the Year

- Dr. Walter Siqueira

AWARDS

2012 AWARDS FROM EXTERNAL AGENCIES

Diamond Jubilee Medal

- Dr. Michael J. Strong
- Dr. Arthur Hudson
- Dr. George Klein
- Dr. Christopher Schlachta
- Dr. Stephen Ferguson
- Dr. Harinder Sandhu
- Dr. Vivian McAlister
- Dr. Ray Kao
- Dr. Len Cortese
- Dr. Bill Clark

Order of Canada

Member

- Dr. Robert Bourne

Officer

- Dr. Cecil Rorabeck

3M National Teaching Fellowship

- Dr. Marjorie Johnson

AFMC-Infoway, e-Health Award

- Dr. Candace Gibson

Canadian Association for Medical Education Certificate of Merit Award

- Dr. Carla Garcia
- Dr. Michael Ott
- Ms. Anna Farias

Paediatric Academic Leadership - Clinician Investigator Award

- Dr. Victor Han

J. Kiffin Penry Excellence in Epilepsy Care Award

- Dr. Warren T. Blume

International Association of Healthcare Professionals Top Physician Award

- Dr. Wassim Saad

AWARDS

2012 AWARDS FROM EXTERNAL AGENCIES

Canadian Association of Medical Education Research Award - Best Oral Presentation

- Dr. Christopher Watling

Grand Challenges Exploration Grant

- Dr. Gregor Reid

Participation House Foundation Laudable Londoners

- Dr. Robert and Mrs. Donna Bourne
- Dr. Cecil and Mrs. Linda Rorabeck

Hellmuth Prize for Achievement in Research

- Dr. Terry Peters

Distinguished University Professors

- Dr. Moira Stewart
- Dr. Stanley Dunn

STUDENT AWARDS

Vanier Canada Graduate Scholarship

- Adrienne Elbert
- Matthew Meyer
- Krista Vincent
- Susan Huang
- Daniel Langohr

Hinman Student Research Symposium Outstanding Student Presentation - Clinical Research

- Kathleen Martin



INTERNATIONALIZATION

SCHULICH SCHOOL OF MEDICINE & DENTISTRY
ANNUAL PERFORMANCE REVIEW | 2012

OFFICE OF GLOBAL HEALTH

The Office of Global Health supports the Schulich School of Medicine & Dentistry mission by developing socially responsible, collaborative leaders in the advancement of health care and health outcomes for all individuals and populations.

THE OFFICE OF GLOBAL HEALTH

2012 Student Overseas Global Health Experiences

- Ten students completed a fourth-year medical elective in India, Peru, South Africa, China, Jamaica, UK and Australia.
- Nine students completed pre-clinical electives in Tanzania, Ecuador, Uganda, Central African Republic, India/Pakistan and Sweden.
- Four student groups participated in pre-clinical electives in Tanzania, India, China and South Africa.
- Three students attended various Global Health Conferences including the Global Health and Innovation Conference (Yale), Conference on Tobacco and Health (Singapore), and the Rio +20 UN Conference on Sustainable Development (Brazil).
- Most overseas experiences received funding from the Global Health Funding Committee. Funding sources include generous donations from the Dean's Office, the Office of Global Health, United Church Women and Hungry for Change.

Medical Students Initiatives in China (MSIC)

- Annually raises more than \$8,000 to expose medical students to the spectrum of health care and delivery of health care in China. Students complete a pre-clinical elective in modern and traditional Chinese medicine in rural villages and modern metropolitan hospitals. In 2012-2013, students will be supporting the Bethel Orphanage, providing care to blind children in China, and visiting hospitals in Beijing, Beichuan and Chengdu, particularly, the West China Hospital (WCH) to further Schulich Medicine & Dentistry's connection with WCH and the Sichuan Medical School.

Marginalized Communities Elective (MCE)

- The MCE is a four-week clinical experience that has been designed to provide additional learning experiences for Family Medicine residents and for fourth-year undergraduate medical students.
- This module focusses on providing students with opportunities to gain experience working with marginalized groups in clinical settings and includes working with the following marginalized populations: documented and undocumented refugee claimants; Aboriginals; those experiencing poverty and those at risk for homelessness; women experiencing violence; at risk children; migrant workers (particularly from Jamaica and Mexico); those experiencing addiction and substance abuse issues.
- London placement locations include Southwestern Ontario Aboriginal Health Access Centre, Cross Cultural Learner Centre, London Intercommunity Health Centre, Middlesex London Health Unit, HIV/AIDS Connection, Community Mental Health Program and the Salvation Army Centre of Hope. Kitchener-Waterloo placement locations include Refugee Health Clinic, St. John's Kitchen.
- In 2012, five students completed the MCE and have begun assessing the effectiveness of a Refugee Health clinic on health outcomes.

Language Classes

- The Office of Global Health offers Language classes in Spanish, Mandarin, Arabic and Swahili to prepare students going on their clinical and pre-clinical electives overseas at clinical partner sites.

OFFICE OF GLOBAL HEALTH

Global Health Awards

- The Office of Global Health Award, which recognizes students making significant and lasting contributions to the Office of Global Health was awarded to Erin Falconer and Ian Pereira in 2012.
- The Office also helps with nomination of the Andrew D. Mason Memorial Award, the Carol Hindmarsh Award, the Joan Scarfone Memorial Award, the Rob Tingley Class of '95 Developing Countries Award, and the Carol Herbert Award.

The Global Health Speaker Series (GHSS)

- A student led activity which encourages students and members of the health care and educational communities to become more involved in discussions about global health issues both locally and abroad.
- Some of the speakers for the 2011-2012 series included: Dr. David Cechetto, Maimuna Kanyamala, Dr. Lisa Schwartz, Ian Pereira, Dr. Charles Trick, Dr. John Howard, Dr. Karen Morrison, Dr. Hafeez Jamal, Dr. Brooke Nofhle and Dr. Kelly Anderson.

Pre-departure Training (PDT)

- One-day training event held at the School to provide students with fundamental skills for the completion of clinical and other electives abroad.
- Initially a student-led initiative, the program is now a more collaborative effort between the Office and student volunteers. There has also been a great deal of faculty support. This includes assisting in finding appropriate speakers for the training day.
- The PDT Conference was held March 25, 2012 with 43 attendees.

Global Health Conference - Transcending Borders Towards Global Health: Discovering Sustainable Pathways from Local to Global

- On April 27-29, 2012, the Office of Global Health hosted its first ever global health conference, Transcending Borders Toward Global Health: Discovering Sustainable Pathways from Local to Global.
- This event drew a diverse audience of more than 315 attendees, including academics, established physicians and health care professionals, resource managers, community workers and students. Participants were able to share their passion for global health via networking and fostering partnerships.
- Five main global health themes were explored: Marginalized and Healthy Communities, EcoHealth, Advocacy & Policy, International Health and Ethics as well as Education. These themes were approached through action-oriented workshops, symposia, plenary panels, arm chair discussions, poster presentations, and social activities.

OFFICE OF GLOBAL HEALTH

Energy Futures & Health Conference

- The Office of Global Health hosted a two-part event aimed at creating a forum to discuss climate change, energy sources and their impact on health at local, national and global levels.
- The conference brought together 50 attendees including physicians, professionals from health and environmental organizations, students and community members to share their ideas on recent debates, events and developments on the topic.
- Objectives of the conference included enhancing awareness and knowledge about:
 - systems to support optimal planning of future energy production
 - consumption
 - the linkages and inter-relationships between human health, the natural environment and climate change

Research Collaborations and Projects

- **Impact and Ethics of International Medical Electives:** To gain a better understanding of the impact and ethics around international medical electives (IMEs), the Office is conducting a thorough evaluation of all aspects of IMEs, including the impact on student; the impact on host medical facilities and communities; and the effectiveness of PDT and global health curriculum in preparing students.
- **Determinants of Health in the Middle East - Israel Palestine:** Partnerships have been developed with a number of organizations in Israel and Palestine, including Juzoor, Physicians for Human Rights-Israel (PHR-I), Caritas Hospital and the Palestinian Medical Relief Society. With these partners, a number of research questions are being explored: Which groups are marginalized? What are policy alternatives that could help reduce this marginalization? Could this affect or be affected by the ongoing conflict? How does marginalization relate to violence?
- **Neglected Tropical Diseases (NTD):** The use of a transdisciplinary ecosystem approach to NTDs is being explored with collaborators in Guatemala, Honduras, Malawi and the Ivory Coast. The approach incorporates human rights, justice, equity and participatory aspects, as well as the overall ecosystem perspective.
- **Mental Health in Guatemala:** The aim of this research project is to understand the mental health needs and service utilization among the Guatemalan population. A relationship has been developed with Victor Lopez, director, Centro de Investigaciones Biomédicas y Psicosociales (CIBP), an NGO devoted to mental health research, and a psychiatrist and researcher at San Carlos, the National University.

Local Marginalized Communities

- **Healthy Communities:** Developed a collaboration with researchers from the University of Windsor, McMaster University and the University of Toronto to develop teaching resources on Marginalized Communities.
- **Community-based Primary Health Care:** This research project aims to identify and evaluate models of care that provide quality health and social services to address a range of needs. The models of interest also demonstrate participatory and inclusive practices, and integration with existing community services. This project will begin by focussing on three vulnerable populations groups: refugees, homeless and Aboriginals in the Waterloo Region.
- **Refugee Health:** The aim of the refugee health research project is to examine the effectiveness of a refugee health clinic, the Centre for Family Medicine Refugee Clinic (CFMRC) and reception program in achieving its intended health outcomes.

OFFICE OF GLOBAL HEALTH

Events and Conferences

- **Hungry For Change Gala, held March 8, 2012:** An annual event for physicians and students focussed on global health education and fundraising. Proceeds from the event support Huruma Children's Home in Kenya, as well as the Global Health Funding Committee at the School, which provides scholarships to students pursuing global health electives. In 2012, some of the proceeds were also donated towards Canadian Aid for South Sudan, in support of the gala's theme, "South Sudan: Challenges for the World's Newest Country."
- **GETReady! Pre-departure Training Conference held on March 25, 2012:** The 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). The School is also an international leader in pre-departure training research, and will continue this year to evaluate training with the goal of improving and standardizing future programs.

Student Research

- **Global Research Opportunities in Health (GROH):** Two students received Global Research Opportunities in Health (GROH) Awards through the Office of Global Health in the spring of 2012: Ben Langer is carrying out work on migrant women's mental health in Israel and Aidan Findlater is conducting research on dengue fever in the Ivory Coast.
- **Pre-Departure Training Research:** Three students, Ammara Ghumman, Audrey Tran and Chris Foster were supported by the Office of Global Health to conduct a pilot study entitled, "Evaluation of a one-day global health pre-departure training conference as measured by the objective standardized clinical exam". First known study to evaluate the effectiveness of a pre-departure training program using the Objective Standardized Clinical Exam (OSCE). Pre- and post- training OSCE based upon five core competencies outlined by the CFMS for PDT: personal health, travel safety, cultural competency, language competency and ethical considerations.
- **Research Opportunities Program (SROP):** Dr. Natalie Lovesey and Carolyn Travers are conducting a pilot study called, "Medical students' motivations for pursuing clinical experiences with under-served populations: A pilot study". The research involves interviewing medical students and family medicine residents who have taken the Marginalized Communities Elective through the Office of Global Health to examine their motivations for taking the selective and for working with under-served populations.

OFFICE OF GLOBAL HEALTH

Health Advocacy Days

- **Schulich Aid for South Sudan:** A new student initiative to help raise awareness for the world's newest nation, South Sudan. The goal is to raise funds on behalf of Canadian Aid for South Sudan (CASS), a local charity run by London activists Glen Pearson and Jane Roy. Multiple events were coordinated by students throughout the year for both increasing awareness and fundraising efforts. To date, approximately \$1000 in aid has been sent to South Sudan via CASS with a talk planned to illustrate to students the effects of their support.
- **World AIDS Day (December 2012):** Schulich Medicine & Dentistry supported Give a Day to World AIDS campaign developed by Dr. Jane Philpott which recognizes World AIDS Day, each year. The School's medical students heard about the campaign in the spring when Dr. Philpott spoke to them about the role of health care professionals in global health and medical overseas volunteering. Students supported the campaign by raising awareness about HIV, studying about AIDS, volunteering or making a nominal donation to the Stephen Lewis Foundation and the Dignitas International.
- **World TB Day (March 2012):** Schulich Medicine & Dentistry students participated in the STOP TB Campaign by attending advocacy events for World TB Day. Students had the opportunity to participate in a Canadian Medical Association (CMA) advocacy workshop, and attend presentations by Dr. Chantelle Richmond and Kassandra Kulmann about TB infection in Canada's Inuit population.
- **International Women's Day (March 2012):** On March 5, 2012, Schulich Medicine & Dentistry students had the chance to attend a talk given by a staff member from the Women's Community House in London. In honour of International Women's Day, students had the opportunity to learn about how to offer psychosocial support to women who have been subjected to physical or sexual abuse.

Clubs and Interest Groups

- **Canadian Federation of Medical Students (CFMS) Student Exchanges:** The CFMS SCOPE (clinical) and SCORE (research) exchange cycles are supported through the School each year. A number of medical students are supported to participate in medical exchange opportunities in various countries all over the world. Students are encouraged to share their experiences with other medical students in various ways through presentations, conferences and workshops. Through similar programs, international students have been hosted at Western and expressed appreciation for their learning experiences here.
- **Newcomer Health Project (NHP):** An opportunity for medical students to assist in providing screening, full medical history-taking and physical exams for incoming refugees through a partnership with the Cross Cultural Learner Centre (CCLC). The NHP presents educational health workshops for refugee populations served by the CCLC, a London organization that helps settle refugees, coordinated by Dr. Bhooma Bhayana.
- **Political Advocacy Committee:** The Political Advocacy Committee is a branch of the Canadian Federation of Medical Students for medical students interested in national and local lobbying efforts. Projects include advocacy education for the student body, working with the student delegation to the National Lobby Day in Ottawa, and a local project working with advocacy groups on the issues of affordable housing London, Ontario.
- **Public Health Interest Group (PHIG):** The Schulich Medicine PHIG was founded through the Association of Faculties of Medicine of Canada's task group on Public Health's Social Accountability Initiative to found medical student public health interest groups. Broadly, the group's goals include: promoting the importance of public health to the student population, exposing students to public health professionals and community activities, providing an opportunity for students to learn and develop leadership skills, and suggesting community medicine as a possible career. The group creates and facilitates activities that promote public health within both the University and the surrounding community.



SCHULICH CARES

SCHULICH SCHOOL OF MEDICINE & DENTISTRY
ANNUAL PERFORMANCE REVIEW | 2012

SOCIAL RESPONSIBILITY

2011-2012 MEDICAL AND DENTAL STUDENT-LED INITIATIVES

- Aboriginal Health Advocacy Group
- Altitude Healthcare Mentoring
- B is for Book
- Christian Meds & Dents Society
- Cooking with Kids Club
- Doctors of Tomorrow
- Global Health Mentorship Program
- Global and Ecosystem Health Interest Group
- Healthy Responsible Sexuality
- Help for the Homeless Charity Group
- Hungry for Change
- Intergenerational Gala
- MedLINK
- MedPals
- Moving with Meds
- Movember
- Neuroscience Community Outreach Group
- Newcomer Health Project
- Organ Donation Awareness Group
- Schulich Medicine Windsor Outreach Team (Windsor)
- Schulich Medicine & Dentistry London Toy Drive
- Children's Aid Toy Drive (Windsor)
- Western Open Meds
- Youth Action Centre
- Stitch n' Bitch (make hats for children in the NICU)
- Student Medical Reform Group
- Child Family Health International
- Class Charity Fundraising (Sunshine Foundation, Canadian Mental Health Association, Rothholme Women's and Family Shelter)
- Pre-med symposium
- Tachycardia (London/Regional HIV/AIDS Connection)
- Trick or Eat
- Doctors for Refugee Care
- First Nations Youth Health Summer Outreach Program
- Head for a Cure (Trillium Foundation)
- Hospice Project
- India Health Initiative
- International Health Mentorship Project
- Kenya Village Project
- Malaika Village Project
- Medical Students in China
- MedOutreach
- Native Health Initiative
- Operation Green
- Schulich Medicine & Dentistry Blood Drive
- Windsor Interprofessional Health Council (Windsor)
- Schulich Medicine & Dentistry Sun & Skin Safety Program
- Schulich Medicine Windsor Health Lecture Series (Windsor)
- COPD/CHF Clinic at the Sandwich Community Health Centre (Windsor)
- Teddy Bear Hospital Project
- Wilton Grove Public School Outreach Program
- Schulich Aid for South Sudan
- Big Sib and Little Siblings Mentor
- Brain Day
- Calcutta Village Project
- Pink Tie Gala (for breast cancer)
- UWO Medical Journal
- Schulich Medicine & Dentistry Singers
- MedsOrchestra
- Pencils for Kids (Windsor)
- Refugee Collaborative Aid Clinic (Windsor)
- Street Health Community Outreach Day (Windsor)
- Engineering and Medicine Symposium (Windsor)
- Well-Come Centre Holiday Donation Drive (Windsor)
- Specialty interest groups (Family, Surgery, Pediatrics etc.)
- Strong Bones, Strong Minds, Strong Muscles fundraising initiatives for Alzheimer's research including a volleyball tournament, social night and trivia night
- Strong Bones, Strong Minds, Strong Muscles Seminar Series held in the community at retirement homes

SOCIAL RESPONSIBILITY

2011-2012 MEDICAL AND DENTAL STUDENT-LED INITIATIVES - WINDSOR PROGRAM

- **Schulich Kiva Campaign:** At Schulich Medicine & Dentistry - Windsor Program, where funds are being raised for an account at Kiva which is a global health micro-loan initiative. With the finances raised, world wide projects would be selected, credit lent to small business start-ups to help their businesses grow, then have the credit repaid to re-invest in another business. The underlying principle is that the School is helping a developing country's economy by making smaller credit amounts available to its citizens.
- **Schulich Society of Engineering and Medicine Symposium (SSEM):** Engineering and medicine is a crucial affiliation that is still developing. SSEM's goal is to bridge the gap between the two professions and allow medical students to appreciate the delicacy of technological innovation, and more importantly, how to shape the evolution of medical technology to better suit their needs as health-care practitioners.
- **Pre-Med Symposium:** Undergraduate students with an interest in the medical profession attended the symposium to find out everything they would need to know to apply, and get accepted into medical school in Ontario. Windsor Program students and staff were on hand to answer questions.

2011-2012 SCHULICH DENTISTRY COMMUNITY INITIATIVES

- **Oral Health, Total Health (OHTH) – London:** Schulich Dentistry students successfully implemented a not-for-profit organization with a mission to advocate, educate and improve the oral health care for persons with special needs. Since its inception OHTH-London has raised close to \$15,000, which provides funding for its cornerstone event, Sharing Smiles Day. This event brings together both the dental and special needs communities with the goal of fostering positive relationships and addressing the issues that surround the lack of access to oral health care for the special needs population.
- **Dental Outreach Community Services (DOCS):** A collaboration of more than 100 volunteer dentists, Schulich Dentistry students, Fanshawe College dental hygienist students and community partners. For the past two-and-a-half years clients from five social service agencies received free dental care using portable dental equipment. Also money raised at the Western/University of Toronto dental students' hockey game supports the outreach program which has seen more than 600 patients through 50 clinics. This program is now integrated into Year 4 of the DDS curriculum.
- **Northern Outreach, Moose Factory, ON:** Select fourth year dental students provided essential dental treatment to under serviced First Nations communities from the west coast of James Bay. Students work at the dental clinic in Weeneebayko Hospital in Moose Factory for periods of 2 weeks. Patients from rural communities lack access to regular dental care which negatively impacts oral health. Students encounter patients with more severe dental problems than are typically seen in London.
- **MedOutreach:** A completely student-run organization dedicated to providing health care abroad to those who could not otherwise afford it. Each year, two Schulich Dentistry students team up with four Schulich Medicine students and two Western nursing students to raise roughly \$60,000 for this initiative. The team of eight students then travel to Tanzania for two months each summer. They deliver much-needed medical supplies and set up initiatives such as free dental clinics, wound dressing clinics, medical screening programs for orphans and educational seminars regarding health maintenance. This is facilitated through partnerships with local dentists, physicians, hospitals and orphanages in rural Tanzania.

SOCIAL RESPONSIBILITY

2011-2012 MEDQUEST HIGHLIGHTS

- MedQUEST is a six-week clinical elective coordinated by the Southwestern Ontario Medical Education Network (SWOMEN), offered in selected rural and regional communities. As part of this elective, first- and second-year Schulich Medicine students lead a one-week health career exploration program for grade ten and eleven students. As of 2011, the elective is also available to former participants in the program who are currently attending medical school in Ontario.
- MedQUEST's mandate:
 - Provide a high-quality elective experience offering the opportunity for Year 1 and 2 medical students to experience learning and teaching in rural and regional communities in Southwestern Ontario
 - Encourage high school students from rural and regional Southwestern Ontario to enter medicine or other health-care professions
 - Engage Southwestern Ontario partner communities more effectively in the training continuum with Schulich Medicine & Dentistry
- In July 2012, six one-week camps ran in Bruce, Chatham-Kent, Essex, Grey, Huron, Lambton, Middlesex and Perth counties with 140 high school students enrolled.
- Five high school participants from MedQUEST Health Career Exploration Program in 2006 are now first-year Schulich Medicine students.
- Schulich Medicine & Dentistry students presented a research poster, "Perceptions of medical education in high school students attending MedQUEST in Southwestern Ontario" at the Society of Rural Physicians of Canada's (SRPC) annual conference in Whistler, British Columbia.
- A research poster, "MedQUEST: A cohort outcome measure of a rural physician and health care profession recruitment strategy aimed at secondary school students" was developed by SWOMEN and presented on behalf of Schulich Medicine & Dentistry at the Rendez-Vous conference in Thunder Bay.

MINI MEDICAL SCHOOL 2012 HIGHLIGHTS

- Mini Medical School is a six-week series featuring faculty from across the School who make presentations on their work to community members. In 2012, it welcomed more than 170 guests each week for the full series. Attendees included a young high school student, medical students and members of the community with the average age of about 60 years old. This year a bonus session was held featuring Dr. Adrian Owen. This was the most successful year for the series in its history.

SOCIAL RESPONSIBILITY

FACULTY AND STAFF INITIATIVES

Faculty and staff at the Schulich School of Medicine & Dentistry are proud to participate in a number of socially responsible events throughout the year, including:

- Participation in Western's Campaign for the United Way. The School held a coffee day, a pizza lunch, cupcake day, participation in the United Way StairClimb, a pancake breakfast, a Fifth Avenue Jewellery Party, and Sweet Relief candy sales to boost fundraising efforts.
- Members of faculty and staff at Schulich Medicine & Dentistry planted trees as part of Re-forest London.
- Schulich Dentistry faculty and staff contributed to a local holiday toy drive.
- The School participated in the London-based Business Cares Food Drive.
- The Department of Pathology participated in the London Health Sciences Centre Food Drive Challenge, resulting in a very generous donation to the London Food Bank.
- The Department of Pathology administration and technology staff collected funds in lieu of holiday gift exchanges and bought gift cards for a family in need.
- The Department of Medical Imaging and Robarts Research Institute collected over 65 prom dresses to donate to the London Cinderella Project, which offers gently-used prom dresses to young girls from low income families.
- Teams from across the School made donations to Mission Services.
- The School entered a team in "Bust a Move for Breast Health", a day-long fitness extravaganza raising funds for breast health at St. Joseph's Health Care London - a partner hospital. The 23-member team will raise a minimum of \$23,000 in support of this important cause.



Schulich School of Medicine & Dentistry,
Western University
Dr. Don Rix Clinical Skills Learning Bldg, Rm 3700
London, ON, Canada N6A 5C1
t. 519.661.3459
deansoffice@schulich.uwo.ca
schulich.uwo.ca