Objectives

1. To learn about the technological advancements and the challenges around innovative surgical practice.
2. The utility of molecular therapies in trauma.
4. The role of anatomy based training in surgical practice.
5. The future of technological advancements in surgical care.
6. The complimentary roles of open versus minimally invasive surgery in clinical practice.

Research Day Abstract Booklet can be found at: https://www.schulich.uwo.ca/surgery/research/research_day.html
AGENDA

7:15 – 9:00 a.m.  Registration/ Coffee
7:30 – 9:00 a.m.  Poster Session
9:00 – 9:05 a.m.  Opening Remarks: Dr. John Denstedt, Chair/Chief, Department of Surgery

Award Winning Resident / Fellow Research Papers
(Six presentations @ 10 minutes: 8 minute presentations, 2 minutes for questions)

9:05 – 9:15 a.m.  Dr. Kristina Lutz
Division of Plastic & Reconstructive Surgery
“Volume Retention of Fat Grafting Used to Correct Head and Neck Contour Defect”

9:15 – 9:25 a.m.  Dr. Irfan Abdulla
Division of Orthopaedic Surgery
“An In-Vitro Study of the Effect of Humeral Cup Constraint in Reverse Shoulder Arthroplasty”

9:25 – 9:35 a.m.  Dr. Tony DiLabio
Division of General Surgery
“A Burden of Disease Analysis of Colorectal Cancer in Canada”

9:35 – 9:45 a.m.  Dr. Dan Burns
Division of Cardiac Surgery
“Clinical Outcomes Associated With Endoscopic Radial Artery Harvest”

9:45 – 9:55 a.m.  Dr. Nahid Punjani
Division of Urology
“Validation of a Prediction Model For the Use of Post-Chemotherapy RPLND in Patients With Metastatic Non-Seminomatus Germ Cell-Cancer”

9:55 – 10:05 a.m.  Dr. Kevin Lee
Division of Vascular Surgery
“Durability And Survival Are Similar Following Elective Endovascular And Open Repair of Abdominal Aortic Aneurysms in Younger Patients”

Presentation by Award Winning MSc Student Colloquium Presentation
(One presentation @ 10 minutes: 8 minute presentation, 2 minutes for questions)

10:05 – 10:15 a.m.  Dr. Moustafa Haddara
“Potential Therapeutic Role of Hydrogen Sulfide in Compartment Syndrome”

10:15 – 10:45 a.m.  Break amongst Posters & Sponsor Booths

Outstanding Researchers in the Department of Surgery
(Four presentations @ 15 minutes: 12 minute presentations, 3 minutes for questions)

10:45 – 11:00 a.m.  Dr. Alan Getgood
“Structure & Functional Characterization of the Anterolaterla Aspect of the Knee”

11:00 – 11:15 a.m.  Dr. Luc Dubois
“Mortality Following Elective Surgery According to the Day of the Week, Influence of Surgeon Factors”

11:15 – 11:30 a.m.  Dr. Vivian McAlister
“Is There Still a Role For Anatomy in the Training And Practice of Surgery Today”

11:30 – 11:45 a.m.  Dr. Blayne Welk
“A Population Based Assessment of the Risk Factors For Mesh Removal or Revision After Female Incontinence Procedures”
Invited Speaker
(One presentation @ 60 minutes: 45 minute presentation, 15 minutes for questions)

Dr. Ivar Mendez is the Fred H. Wigmore Professor and Unified Head of the Department of Surgery at the University of Saskatchewan and Saskatoon Health Region.

Dr. Mendez received his MD and PhD in Anatomy from the University of Western Ontario, London, Ontario where he also completed his post-graduate training in Neurosurgery. After completion of his neurosurgical residency, Dr. Mendez was awarded the Resident Research Prize by the American Congress of Neurological Surgeons and the William P. Van Wagenen Fellowship by the American Association of Neurological Surgeons. His research Fellowship was done at the Department of Medical Cell Research, University of Lund, Sweden. From 2000 to 2012, Dr. Mendez was the Chairman and Founding Member of the Halifax Brain Repair Centre, the most comprehensive neuroscience research institute in Atlantic Canada. Dr. Mendez was the Head of the Division of Neurosurgery at Dalhousie University and the QEII Health Sciences Centre for more than a decade.

Dr. Mendez is a Fellow of the Royal College of Physicians and Surgeons of Canada and the American College of Surgeons. As a Clinician/Scientist, Dr. Mendez’ research focus is in functional neurosurgery, brain repair, stem cells, robotic neurosurgery and computerized systems in neurological applications. His laboratory research has been supported by peer-reviewed funding from a number of sources including the Canada National Centers of Excellence, Canadian Institutes of Health Research, Canada Foundation for Innovation and Parkinson’s Disease Foundation of USA. He is recognized internationally as an expert in his field, having over 200 international and national presentations as well as over 200 scientific publications. For the past decade he has worked in the use of remote-presence robots for medical care in neurosurgery. In 2002, Dr. Mendez and his team performed the first long distance telementoring neurosurgery in the world and in 2013, he reported the first experience in remote programming for neuromodulation devices. Dr. Mendez was the President of the Canadian Neuromodulation Society (CNS) from 2009 – 2012 and under his leadership he promoted the access of neuromodulation therapy to all citizens of Canada.

12:45 – 1:45 p.m. Dr. Ivar Mendez, MD, PhD, FRCSC, FACS, DSc(hon), FCAHS
“Technologies in the Future: Brain Repair, Neuromodulation And Remote Presence”

Awards & Closing Remarks
(Completion of Research Day Evaluation Forms)

Moderator: Dr. Neil Parry

2:15 – 2:30 p.m. Dr. John Denstedt

CME Credits
This event is an Accredited Group Learning Activity (Section 1) as defined by the Maintenance of Certification program of the Royal College of Physicians and Surgeons of Canada, approved by Continuing Professional Development, Schulich School of Medicine & Dentistry, Western University. (4.25 hours)

Each participant should claim only those hours of credit that he/she actually spent participating in the educational program.

Please note: To obtain your Certificate of Attendance for your CME credits, you must complete and return the Research Day evaluation form. There are two options for returning your form:

1. Go to the Department of Surgery Research Day website ( ) and click on the link to the evaluation form.
2. Complete a hard copy evaluation form and submit it at the end of Research Day.
The Robert Zhong Department of Surgery Research Day was named in honour of Dr. Robert Zhong, a brilliant scientist and colleague who passed away in 2006.

Dr. Robert Z. Zhong was born in Shanghai, China on January 16, 1946. He graduated from Shanghai No 1 Medical University and was then assigned by the government to work as a general surgeon in a community hospital. Dr. Zhong attended a seminar led by Dr. Sun Lee – considered to be the founding father of experimental microsurgery – and whom he would later credit to be one of the most important mentors of his life.1 Dr. Zhong arrived in Canada first as a research fellow under the supervision of Drs. John Duff and Calvin Stiller in 1984. His persistence and vision led to a full-time appointment and microsurgical animal models that would be applied in human transplantation clinical practice.

Recognizing that molecular biology and transplant immunology were critical to the future of transplantation, Dr. Zhong began his study of these fields in Canada to become one of the world's leading experts in transplantation and microsurgery. He went on to become a Tier One Canada Research Chair in Transplantation and Experimental Surgery in 2004 and was appointed a full Professor in the Departments of Surgery, Pathology, and Microbiology & Immunology at The University of Western Ontario. Dr. Zhong was a scientist at the Robarts Research Institute; Director of the Microsurgery Laboratory at LHSC; and a scientist at the Lawson Health Research Institute.

Dr. Zhong's influence into the fields of transplantation and microsurgery were profound and far-reaching. He was Past President of the International Society of Experimental Microsurgery; a member of the Canadian Society of Transplantation, American Society of Transplantation; and the American Society of Transplant Surgeons. Dr. Zhong was awarded the Lifetime Achievement Award by the Canadian Society of Transplantation posthumously in 2007.

Dr. Zhong published over 180 peer-reviewed publications and achieved millions of dollars in research grant funding. He supervised more than 70 graduate students and fellows and trained over 70 microsurgeons worldwide during his 21-year career at Western. His superb leadership and vision were recognized as having created an internationally renowned program in experimental transplantation. A brilliant scholar, teacher, and mentor, Dr. Zhong is also remembered as a man of great humility, kindness, and respect.

Dr. Robert Zhen Zhong passed away in London, Ontario on September 8, 2006.


This program was supported in part by educational grants from the following:

**Gold Level Sponsors**

Ethicon Canada Johnson and Johnson Medical Companies

**Bronze Level Sponsors**

Conmed

Pfizer
Please email kristine.schroeder@lhsc.on.ca if you require information in a different format or if other arrangements can make this event accessible to you.

St. Joseph’s Hospital Parking Information and Maps (including accessible spaces) and Public Transit available at: http://www.sjhc.london.on.ca/your-visit/st-josephs-hospital/parking-including-accessible-spaces

Western University Campus Accessibility Map available at: http://accessibility.uwo.ca/resources/maps/maps.html