

Check Out

SAVE THE DATE

36th Annual

Surgeons' Day

June 15, 2018

Check us out at

www.ucalgary.ca/osr

Meet Dr. Randy Moore

Dr. Moore is a Fellow of the Royal College of Surgeons of Canada with a Certificate of Special Competency in Vascular Surgery, a Fellow of the American College of Surgeons and a member of the Canadian Society for Vascular Surgery, where he has previously served as the Research Chair, as well as the Society for Vascular Surgery. He has previously served two terms as President of Vascular Surgery for the Alberta Medical Association, as well as Division Chief of Vascular Surgery for the Calgary Health Region and has a cross appointment with the Schulich School of Engineering at the University of Calgary, with multiple published research studies related to complex Aortic Aneurysm Repair, Vascular Hemodynamics and Vascular Imaging.



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Dr. Moore's current research focus is on translational work that allows for the conversion of sound research ideas and principles into products and techniques that can enhance patient care, and that are commercially viable. Grant dollars are necessarily restricted, and many quality researchers spend their time desperately searching for "survival dollars" instead of focusing on their work. Dr. Moore has partnered with key members of the Schulich School of Engineering, including Dr. Kristina Rinker, the early cancer detection lead for Alberta, and Dr. Elena Di Martino from Mechanical Engineering, and is now a member of the Libin Institute for Cardiovascular Health and is actively involved in the generation of a Research Hub in the Calgary environment, with contacts with active biomedical entrepreneurs in the San Francisco bay area to help lure active research companies to Calgary. He has participated in the initial round of Creative Destruction Lab Rockies, a business accelerator program through the University of Calgary and the Haskayne School for Business and is the co-founder and director of two biomedical companies: KRS Biopharma, and ViTAA (Virtual Touch Aortic Aneurysm), with software and research interests and patented technology in cancer therapy, and vascular imaging respectively.

Dr. Moore and his Engineering partners and co-founders have developed software derived from standard cardiac gated imaging (i.e. linked to the cardiac cycle) that allows clinicians to virtually assess the integrity of the aortic wall to better identify those patients at need of aortic reconstruction. Over the past 10 years, Dr. Moore and his engineering partner, Dr Elena Di Martino have utilized a combination of imaging data and actual aortic wall specimens with coaxial strength testing in order to develop an extremely accurate measurement tool for the intrinsic properties of the aortic wall (stress and strain) – Virtual Touch Aortic Aneurysm Technology.

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Did you know?



SPOR:

This could be the possible answer to your biostatistician woes.

<http://www.aihealthsolutions.ca>

Dr. Moore and his partners with KRS Biopharma have also developed patented flow chamber technology that allows for more rapid development of better chemotherapeutic agents by more closely mimicking the flow conditions of the local cellular environment. New cell targets for drug resistant breast cancer have already been identified through this novel process. Through the Herculean efforts of the CEO, Dr. Kristina Rinker, KRS Biopharma has been promoted through the CDL Rockies Accelerator Program and is in the process of securing a \$1.5 million seed round to begin commercial operations in the calendar year. This research has implications for the identification of cell markers for aortic aneurysm disease as the inflammation associated with aortic aneurysm development shares many of the characteristics with tumor cell metastasis.

Dr. Moore is also working with one of his trainees, Dr. Kenton Rommens, to develop and perfect a new **Staged Multi-Branch Aortic Retrograde Thoraflex (SMART)** technique for the treatment of complex and/or recurrent thoraco-abdominal aneurysms and have presented some of their early data at both the Houston International Aortic Symposium, and the London Experts meeting this year. Dr. Moore is proud to call the University of Calgary his academic home.

New SSP winner:

Dr. Daniel Zheng You, PGY3 Orthopedic Surgery

"Assessing Patients' Blood Clot Risk Using a Novel Blood Test"

Dr. Daniel You is a second year Orthopedics Surgery resident at University of Calgary. He attended Queens University medical school. He was the first medical student to win an award for best paper at the annual Department of Surgery meeting. He also received the Orthopaedic award as most outstanding medical student during his Orthopaedic rotation. He chose to continue on to an Orthopaedic career and now he is currently enrolled in the Medical Science, Master of Science program at University of Calgary.

New CSRDF winners:

Dr. Anna Todd, PGY2 Plastic Surgery

"Individualized Mobile Learning for Patients Undertaking Breast Reconstruction"

Dr. Ammar Khan, PGY2 Ophthalmology

"Developing a Competency Based Medicine by Design Curriculum for Ophthalmology Using Surgical Simulation with Artificial Eyes"

Dr. Cory Kwong, PGY4 Orthopedic Surgery

"Comparison of 3-dimensional Computed Tomography versus Arthroscopy for Classifying On/Off Track Hill Sachs Lesions"

Dr. Bryce Weber, Pediatric Urology

"A pilot study evaluating pain outcomes of ketorolac administration in children undergoing circumcision"

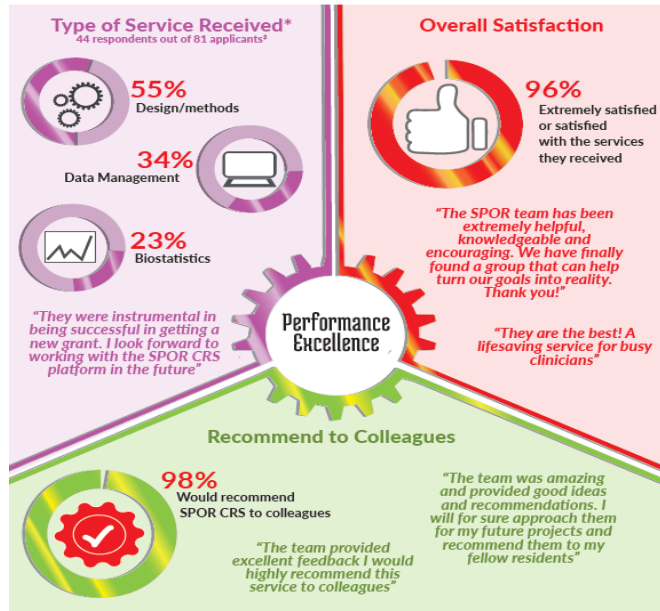
Dr. Joseph Keith Kendal, Research, Orthopedic Surgery

"Does BMP-2 Signaling in a Syngeneic Mouse Model of Osteosarcoma Influence Tumour Biology?"

Get assisted with research services

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Consultation and Research Services: Client Satisfaction



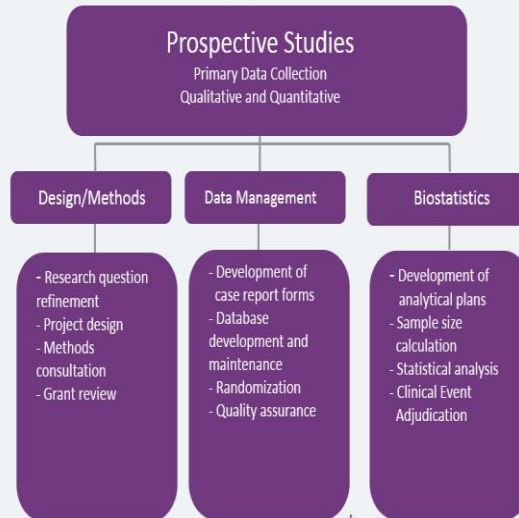
*Percentages not mutually exclusive
* Numbers as of Feb 28, 2018

Alberta | SPOR SUPPORT Unit

Consultation & Research Services Platform

Consultation & Research Services Platform

absporu.ca



Contact: yazid.alhamarneh@ualberta.ca

Alberta | SPOR SUPPORT Unit

Consultation & Research Services Platform

Consultation and Research Services: Impact on Patient-Oriented Research

I Building Capacity

Increasing quantity of patient-oriented research (POR) by:

- Total of 105 ABSPORU portal applications
- Facilitating the conduct of POR for early career researchers and clinicians (42)
- Starting residents, graduate students and trainees on the right foot (14)
- Recommending and encouraging researchers to include POR in their projects (14)
- Helping researchers obtain grants (100% Success rate!)
- Reaching out to researchers in the community (e.g. PCNs, Edmonton Seniors Centre, Rocky View Hospital, etc.) (10 and 3 pre-portal consults)

"CRS has provided the support and structure to design, then carry out a clinical trial."

Dr. Pervy Smyth,
Neurologist

IV Collaboration

- Working with other platform(s) (50), referring applicants to other platforms (15), bringing other platform(s) to the conversation (12)
- Connecting applicants with patients and/or other health care professionals to create multidisciplinary teams
- Decision makers (16 applications from AHS or SCNs)
- Institutions across the province (e.g. University of Lethbridge, Covenant Health, PCNs, etc.)
- Researchers from a variety of health disciplines (e.g. physicians, pharmacists, nurses, etc.)

"Lily (programmer), was fantastic help when I was first learning REDCap"

Carmen Webb,
Research Coordinator

II Highly Qualified Personnel

- Training the new generation of researchers by involving the ABSPORU studentship awardees in consultations. (3 out of 8 studentship recipients have participated in at least one research consultation)
- Training residents, graduate students and trainees to conduct POR. (14 and 3 pre-portal consults)

"It was great working with Imran (statistician). His help was much appreciated and I owe him big time"

Dr. Shivan Mohyeddin,
Internal Medicine Resident

III Increasing quality of POR

- Providing high-quality POR advice and service (105)
- Referring ABSPORU portal applications to the Patient Engagement Platform and including them in conversations (43)
- Highly successful grant applications
- Providing a multitude of services including: 62 design & methods consultations, 50 database creation & data management, 47 statistical analyses, 45 analytical plans, 30 sample size calculations, 29 Case report forms, 29 quality assurance, 19 randomization, 5 clinical event adjudications & 2 qualitative services.

"Professional and prompt and very helpful collaborating to help me figure out what I needed."

Dr. Alexandra MacFarlane,
Infectious Disease Resident



Alberta | SPOR SUPPORT Unit

Consultation & Research Services Platform



UNIVERSITY OF CALGARY CUMMING SCHOOL OF MEDICINE

Surgeons' Day - June 15th, 2018 Libin Theatre

Judges: Dr. Lor Randall MD, FACS & Dr. Serdar Yilmaz MD, PhD, FACS

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|--|---|---|
| 7:30 am | <i>Light Breakfast</i> | |
| 8:00 am | Dr. Mary Brindle, Deputy Head Department of Surgery- Welcome And Opening Remarks | |
| 8:10 am | Dr. Claire Temple-Oberle, Director of the OSR – Review of the Office of Surgical Research | |
| 8:20 am | Pillar 1 – Clinical Research: <i>Dr. Prism Schneider, Sessional Chair – Section of Orthopedic Surgery</i> | |
| 8:25 am | Dr. James Powell, Orthopedic Surgery | The Painful Hip |
| 8:40 am | Dr. Trafford Crump, Urology | Developing Predictive Models for Outcomes of Radical Prostatectomy |
| 8:55 am | Dr. Carmen Brauer, Orthopedic Surgery | Improving access for urgent surgical cases at the Alberta Children's Hospital: a rapid realist review |
| 9:10 am | Dr. Chad Ball and Dr. Elijah Dixon, Hepatobiliary Surgery | Performing Clinical Trials Within HPB Surgery and Beyond |
| 9:25 am | Dr. Paul Huang, Ophthalmology, PGY 3 | Ocular and Orbital Manifestations of PHACES syndrome: A case series |
| 9:35 am | Dr. Ashley Hinthner, Otolaryngology, | Efficacy of Postoperative Pain Management in Head and Neck Cancer Patients |
| 9:45 am | Pillar 2 – Health Systems: <i>Dr. Derrick Randall - Sessional Chair - Section of Otolaryngology</i> | |
| 9:50 am | Dr. Gabriel Marcil, General Surgery, PGY3 | The Incidence of Fractures Following Bariatric Surgery: A systematic Review |
| 10:00 am | Dr. Christiaan Schrag, Plastic Surgery | Guerrilla Researcher: An Unconventional Struggle for Knowledge |
| 10:15 am | Dr. Maher Sabalbal, Vascular Surgery, PGY3 | A Prospective Cohort Study of a Same Day Discharge Percutaneous Endovascular Aneurysm Repair Pathway |
| 10:25 am | <i>Refreshment Break</i> | |
| 10:40 am | MCMURTRY LECTURE - Dr. Serdar Yilmaz, MD, PhD, FACS, Associate | Chronic Allograft Failure |
| 11:20 am | Pillar 3 – Basic Science: <i>Dr. Paul Beaudry, Sessional Chair - Section of Pediatric Surgery</i> | |
| 11:25 am | Dr. Michael Monument, Orthopedic Surgery | Priming the Immune System in a Mouse Model of Rhabdomyosarcoma |
| 11:40 am | Dr. Joseph Kendal, Orthopedic Surgery, PGY2, Research | Use of Bone Morphogenetic Protein-2 in Osteosarcoma Surgery: does BMP-2 Signalling Influence Tumour Biology in Pre-Clinical Models of Osteosarcoma? |
| 11:50 am | Dr. Oliver Bathe, Surgical Oncology | Tumor-driven Changes in Body Composition |
| 12:05 pm | Dr. Kevin Hildebrand, Orthopedic Surgery | Post-Traumatic Joint Contractures: 20 Years of Collaboration |
| 12:20 pm | <i>Lunch</i> | |
| 12:20 pm | Poster Review Tour in: Basic Science and Health Systems: Lor Randall & Mike Monument Education: Derrick Randal & Justin LeBlanc Clinical Research: Serdar Yilmaz & Miller Smith | |
| 1:15 pm | DR. PETER CRUSE MEMORIAL AWARD Introduced by: Dr. Sean Grondin, Zone Clinical Department Head and Academic Department Head, Department of Surgery | |
| 1:20 pm | Mr. Nader Aboelnazar, Medical Student, 2018 Peter Cruse Memorial Award Recipient, U of C | Time and Perfusate Dependent Molecular Repair Response During Ex Vivo Lung Perfusion |
| 1:30 pm | Pillar 4 – Education: <i>Dr. Marcia Clark - Sessional Chair - Section of Orthopedic Surgery</i> | |
| 1:35 pm | Dr. Anna Todd, PGY2 Plastic Surgery Resident | Systematic Review of Pregnancy in Residency |
| 1:45 pm | Dr. Gwendolyn Hollaar, General Surgery | Social Accountability and Surgical Training |
| 2:00 pm | Dr. Marcia Clark, Orthopedic Surgery | Medical Education and Health Advocacy - What is the link? |
| 2:15 pm | MCPHREDRAN LECTURER Dr. Lor Randall, MD, FACS, Clinical Professor | Sarcomaology: A Trans-disciplinary Approach |
| Sharpest Knife - Live Grant Competition Judges: Drs. Lor Randall, Serdar Yilmaz, Gary Gelfand, Elijah Dixon and Marie-France Guimond | | |
| 3:00 pm | Dr. Oliver Bathe – “Testing an Assay for a Novel and Powerful Prognostic Biomarker for Breast Cancer and Estimating Its Potential Clinical Utility” | |
| 3:15 pm | Dr. Andrew Kirkpatrick – “Tele-Mentored Ultrasound Supported Medical Interventions (TMUSMI)” | |
| 3:30 pm | Dr. Neil J. White – “The Effects of Weather Patterns and Seasonal Factors on Orthopaedic Trauma Volumes” | |
| 3:45 pm | Dr. Richard Baverstock - Incorporating “PROCheck” into practice | |
| 4:00 pm | Live Poll | |
| 4:10 pm | Closing Remarks: Dr. Claire Temple-Oberle, Director, Office of Surgical Research | |
| 4:20 pm | Judges Deliberation - Awards to be announced at Gala | |
| 5:30 pm | Surgeons Day Award Ceremony at Heritage Park Historical Village | |