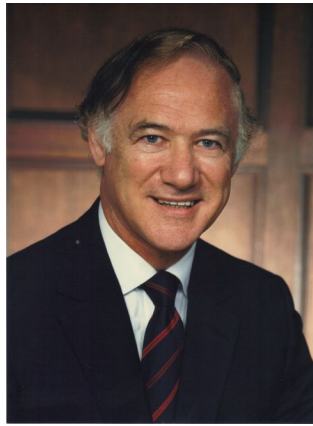




Charles Sorbie Department of Surgery Faculty Research Day

A Department of Surgery CME Event

Friday, April 17, 2026

Great Hall, Fort Henry

1 Fort Henry Drive, Kingston, Ontario K7K 5G8, Canada

OBJECTIVES: This program will provide participants with an opportunity to enhance surgical research by familiarizing themselves with the research activities of others within the Department of Surgery at Queen's University. This will also provide research mentorship for our surgical residents. Guest speakers will review the role of research in surgical education and the influence on industry.

PLANNING COMMITTEE: Dr. John Rudan - Chair of Planning Committee, Dr. Parham Daneshvar, Research Coordinator for Orthopedic Surgery, Dr. Sulaiman Nanji, Research Coordinator for General Surgery

AGENDA:

8:30 INTRODUCTIONS & WELCOME

Dr. Ross Walker, Head, Department of Surgery

Moderator – Dr. Shaila Merchant

8:45 “Feasibility of the I-Knife for the classification of sinonasal tissue”

Dr. C. Purcell

9:00 “A morphable shoulder model for investigation of patient-specific rotator cuff function”

Dr. R. Bicknell

9:15 “Building surgical oncology capacity in West Africa: integrating cancer burden, system needs, and fellowship training”

Dr. S. Nanji

9:30 “Can surgery fellows accurately self-assess their technical performance – Analysis of the Fellowship Council EPAs”

Dr. P. Szasz

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9:45 “Quality of life with immediate alloplastic reconstruction after prophylactic versus therapeutic mastectomy: A systematic review and meta-analysis of patient reported outcomes measured by the BREAST-Q”

Dr. G. Martou

10:00 BREAK

Moderator – Dr. John Rudan

10:15 “Infective endocarditis in female vs. male patients with substance use disorder: A population-based cohort study”

Dr. S. Brogly

10:30 “Transfection of astrocytes with AAV-NeuroD1 reduces neuroinflammation and improves white matter myelination in chronic MCA stroke”

Dr. D.J. Cook

10:45 GUEST SPEAKER – Introduction; Dr. John Rudan

“AI and ultrasound - towards humans and AI working together”

Dr. Alison Noble

11:45 Presentation of the John Rudan Resident Award for Excellence, Resident Clerkship Award and Faculty Clerkship Award

Dr. Ross Walker

12:00 LUNCH

Moderator – Dr. Diederick Jalink

1:00 “Association between femoral head length and stem fixation type”

Dr. S. Mann

1:15 “Clinical utility of the Intelligent Knife for intraoperative margin assessment: A prospective case series of 66 breast cancer surgeries”

Dr. R. Walker

1:30 “Integrative metabolomic and pathological characterization for precision-based rectal cancer management”

N. Iaboni

1:45 “The small-molecule EGFR inhibitor erlotinib promotes axon outgrowth and motor functional”

Dr. M. Hendry

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2:00 “Examining the quality and quantity of verbal feedback in the operating room: A multi-specialty study in a Canadian context”

Dr. B. Zevin

2:15 “Preliminary results of digital health software on clinical outcomes, patient satisfaction, and complications following total knee and hip arthroplasty”

Dr. F. Diaz Dileria

2:30 BREAK

Moderator – Dr. John Rudan

2:45 “A spatial single-cell atlas of glioblastoma infiltration reveals distinct biology beyond the surgical margin”

Dr. T. Purzner

3:00 “RNA isoform selection as a mechanism to selectively control protein phosphorylation in sonic hedgehog medulloblastoma”

Dr. J. Purzner

3:15 “Social media and the surgeon – lessons from the last 200 episodes of the Cold Steel podcast and a narrative review of surgery in social media”

Dr. A. Farooq

3:30 “Does a muscle-splitting approach to distal biceps repair lead to supinator atrophy?”

Dr. P. Daneshvar

3:45 Closing Remarks

Dr. John Rudan, Director of Research, Department of Surgery

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