through the Ect2/RhoA pathway to effect actin polymerization consistent with signaling downstream of Plk4 being mediated by an exchange factor that activates RhoA, similarly localizes to cell protrusions, after seeding. Ect2 (green, lower panels), an exchange factor for motile fibroblasts. Plk4 (green, upper panels) is seen in novel oncogene Plk4 transiently localizes to cell protrusions in lung function is found in lungs transduced ex vivo compared to inflammation. Increased cellularity/inflammation is present within in vivo AdGFP transduced lungs (a) compared to ex vivo AdGFP transduced lungs (b); GFP (green), DAPI (blue). Superior lung function is found in lungs transduced ex vivo compared to in vivo (c); Open points signify ex vivo gene transduction; solid points signify in vivo gene transduction. Control (blue), AdHil-10 (red), AdGFP (green).

J Yeung, S Keshavjee: Ex vivo gene therapy of injured donor lungs for transplantation results in less vector-associated inflammation. Increased cellularity/inflammation is present within in vivo AdGFP transduced lungs (a) compared to ex vivo AdGFP transduced lungs (b); GFP (green), DAPI (blue). Superior lung function is found in lungs transduced ex vivo compared to in vivo (c); Open points signify ex vivo gene transduction; solid points signify in vivo gene transduction. Control (blue), AdHil-10 (red), AdGFP (green).

F Zih, C Rosario, O Brashavitskaya, K Kazazian, C Swallow: The novel oncogene Pik4 transiently localizes to cell protrusions in motile fibroblasts. Pik4 (green, upper panels) is seen in protrusions at 2h but back in centrioles (white arrows) by 4h after seeding. Ect2 (green, lower panels), an exchange factor that activates RhoA, similarly localizes to cell protrusions, consistent with signaling downstream of Pik4 being mediated through the Ect2/RhoA pathway to effect actin polymerization and promote cell invasion.

Friday May 10, 2013 MaRS Centre, Lower Concourse
7:30 a.m. Continental Breakfast and Registration
7:45 Poster Setup – Collaboration Centre Main Concourse
Session Committee: Val Cabral and Andrea McCart
8:00 Opening Remarks - Auditorium
Dr. James T. Rutka, R.S. McLaughlin Professor and Chair
Dr. Benjamin A. Alman, Vice Chair Research
Gallie-Bateman and McMurrich Research Presentations
Session Chair: Cindy Morshhead
8:15 Stephen C. Mack: “Effective epigenetic therapy for CIMP+ve Posterior Fossa Ependymomas” (Supervisor: Michael D. Taylor)
8:30 Marvin Hsiao (SSTP): “The numbers, rates, mechanisms and potential access to trauma care for road traffic injury deaths in India - A nationally representative mortality survey of 1.1 million homes” (Supervisors: Aver B. Nathens, Prabhat Jha)
8:45 Gurpreet S. Baht: “Rejuvenating bone through modulation of β-catenin” (Supervisor: Benjamin A. Alman)
9:00 Siba Haykal (SSTP): “Advances in tracheal tissue-engineering: Evaluation of the structural integrity, immunogenicity and recellularization of long-segment circumferential decellularized tracheal allografts for airway transplantation” (Supervisors: Thomas K. Waddell, Stefan O. Hofer)
9:15 Mehrroz Ehsan: “Adiponectin limits microparticle-induced endothelial dysfunction: A novel vasculoprotective mechanism” (Supervisor: Subodh Verma)
9:30 Poster Judging – MaRS Centre Café & CR2 – Main Concourse
10:30 SYMPOSIUM: “Making It Personal: Individualized Care in Surgery”
Chair: Benjamin A. Alman, A.J. Latner Professor, Vice Chair Research
♦ Donald Redelmeier, Director, Evaluative Clinical Sciences, Sunnybrook Health Sciences Centre
“Personalized Decision Making”
♦ Michael Szego, Clinical Ethicist, Centre for Clinical Ethics, University of Toronto
“Ethical Issues Associated with Whole Genome Sequencing in the Paediatric Context”
♦ Steven Gallinger, Professor, Division of General Surgery, Department of Surgery, University of Toronto & TGH, University Health Network
“A Personalized Dent in the Armor of Pancreatic Cancer”
♦ Philippe Bedard, Assistant Professor, Department of Medicine, University of Toronto: Division of Medical Oncology and Hematology, Princess Margaret Cancer Centre – University Health Network
“Molecular Profiling of Advanced Solid Tumours”
12:00 pm Lunch and Poster Viewing
1:05 GORDON MURRAY LECTURE: “The Importance of the Tumor Microenvironment in Cancer Progression”
John E. Niederhuber, MD, Executive Vice President, Inova Health System; CEO, Inova Translational Medicine Institute; CEO, Inova Comprehensive Cancer & Research Institute; Co-Director, Johns Hopkins Clinical Research Network, Baltimore, MD

Friday May 10, 2013 – Windsor Arms Hotel, 18 St. Thomas Street, Toronto
Reception – 7 pm ♦ Dinner & Awards Ceremony – 8 pm ♦ Admission $125 per person
Gallie Day 2013 is an accredited group learning activity as defined by the Maintenance of Certification Program of The Royal College of Physicians & Surgeons of Canada (5.5 credits)