

# Ted Rogers Centre 2021 Trainee Day

## Session III: Flash Science - Poster Presentations

3:20 PM – 4:54 PM	Session III: Flash Science - Poster Presentations			
3:20 – 3:22 PM	Registrants to enter room of their choice			
3:22 – 4:54 PM	<b>Breakout Room 1</b>	<b>Breakout Room 2</b>	<b>Breakout Room 3</b>	<b>Breakout Room 4</b>
Judges	Phyllis Billia, Jason Fish	Dan Franklin, Mansoor Husain	Paul Delgado-Olguin, Mike McDonald	Michelle Bendeck, Craig Simmons
3:22 – 3:27 PM	“RV-PA coupling during exercise in patients with pulmonary arterial hypertension or pulmonary hypertension due to left heart disease”  <i>Elizabeth Karvasarski</i>	“Heart Failure care experiences of people experiencing homelessness and the co-design of a new care management pathway”  <i>Jillian Macklin</i>	“The Liver X Receptor (LXR)-modified endothelial progenitor cell (EPC) secretome: a new source of anti-atherogenic proteins”  <i>Sarah Shawky</i>	“Impact PF recovery of ventricular function on outcomes in children with hypoplastic left heart syndrome who developed ventricular dysfunction”  <i>Aine Lynch</i>
3:27 – 3:32 PM	Q&A <i>Elizabeth Karvasarski</i>	Q&A <i>Jillian Macklin</i>	Q&A <i>Sarah Shawky</i>	Q&A <i>Aine Lynch</i>
3:32 – 3:37 PM	“Can physical activity during cancer therapy improve cardiac and patient-reported outcomes in women with HER2+ breast cancer?”  <i>Serena Peck</i>	“Quantification of intracardiac blood flow in children using motion-corrected MRI”  <i>Fatemeh Rastegar Jooybari</i>	“Elucidating heterogeneity between left and right ventricle-derived cardiac fibroblasts”  <i>Michael Dewar</i>	“Continuous-flow left ventricular assist device support for patients with hypertrophic cardiomyopathy: A single centre experience”  <i>Darshan Brahmhatt</i>
3:37 – 3:42 PM	Q&A <i>Serena Peck</i>	Q&A <i>Fatemeh Rastegar Jooybari</i>	Q&A <i>Michael Dewar</i>	Q&A <i>Darshan Brahmhatt</i>
3:42 – 3:47 PM	“Measures of right ventricular afterload predict exercise pulmonary hypertension beyond mean pulmonary artery pressure”  <i>Sinan Osman</i>	“Development of a high-frequency ultrasound system to assess the contractility and stiffness of engineered cardiac tissues”  <i>Joseph Sebastian</i>	“MRI-guided respiratory motion correction for catheter-based therapy delivery in myocardial infarction”  <i>Jaykumar Patel</i>	“Impact of cardiopulmonary bypass surgery on myocardial perfusion assessed by ultrafast power Doppler”  Minh Bao Nguyen

3:47 – 3:52 PM	Q&A <i>Sinan Osman</i>	Q&A <i>Joseph Sebastian</i>	Q&A <i>Jaykumar Patel</i>	Q&A <i>Minh Bao Nguyen</i>
3:52 – 3:57 PM	“Body habitus considerations during right heart catheterization”  <i>Natasha Girdharry</i>	“The role of MicroRNAs in endothelial cell-cardiomyocyte crosstalk in hypertrophic cardiomyopathy”  <i>Doris Adao</i>	“Diffusion tensor MRI reveals myocardial structure after stem cell-derived cardiomyocyte therapy in Myocardial Infarction”  <i>Moses Cook</i>	“Cardioprotective effects of glucagon-like peptide-1 on the donation after circulatory death heart in juvenile pigs”  <i>Sachiko Kadowaki</i>
3:57 – 4:02 PM	Q&A <i>Natasha Girdharry</i>	Q&A <i>Doris Adao</i>	Q&A <i>Moses Cook</i>	Q&A <i>Sachiko Kadowaki</i>
4:02 – 4:07 PM	“Evaluating the utility of whole genome sequencing for patients with congenital heart disease”  <i>Samantha MacPherson</i>	“Preparation and characterization of a co-electrospun nanofibrous gelatin/polyurethane composite scaffold for cardiac tissue engineering”  <i>Yizhou Chen</i>	“Pulmonary hypertension and right-heart dysfunction in discoidin domain receptor 1 deficient mice”  <i>Quinn Bonafiglia</i>	“An efficient and cost-effective purification methodology for cas9 nuclease”  <i>Marjan Tavassoli</i>
4:07 – 4:12 PM	Q&A <i>Samantha MacPherson</i>	Q&A <i>Yizhou Chen</i>	Q&A <i>Quinn Bonafiglia</i>	Q&A <i>Marjan Tavassoli</i>
4:12 – 4:17 PM	“Vascular and ventricular responses to exercise in pediatric connective tissue disorders”  <i>Nairy Khodabakhshian</i>	“Identifying novel intracellular interactions driving membrane-bound tumour necrosis factor-mediated signaling”  <i>Yasaman Mostafaie</i>	“Selective IGF-1 production by resident cardiac macrophages orchestrates adaptive cardiomyocyte growth during hypertensive stress”  <i>Rysa Zaman</i>	“Blood flow is the dominant factor influencing cardiac magnetic resonance T2 during adenosine stress”  <i>Jill Weyers</i>
4:17 – 4:22 PM	Q&A <i>Nairy Khodabakhshian</i>	Q&A <i>Yasaman Mostafaie</i>	Q&A <i>Rysa Zaman</i>	Q&A <i>Jill Weyers</i>
4:22 – 4:27 PM	“Preventing heart failure by developing an AI-based risk-stratification tool for coronary artery disease”  <i>Cathy Ong Ly</i>	“Effects of sodium ascorbate on the deposition of extracellular matrix proteins within scaffolds, generated by human adipose derived vascular smooth muscle cells and monocytes”  <i>Katya D’Costa</i>	“Multiparametric circulating cardiovascular biomarkers elucidate a molecular signature of poor COVID-19 outcomes and identify vascular barrier stabilizing therapies”  <i>Dakota Gustafson</i>	“Reduced cardiac TMEM65 in mouse hearts results in intercalated disc defects and eventual dilated cardiomyopathy with cardiac fibrosis”  <i>Allen Teng</i>

4:27 – 4:32 PM	Q&A <i>Cathy Ong Ly</i>	Q&A <i>Katya D'Costa</i>	Q&A <i>Dakota Gustafson</i>	Q&A <i>Allen Teng</i>
4:32 – 4:37 PM	“Dual inhibition of TGFβ1 and PDGFRβ ameliorates right ventricular fibrosis in pre-clinical pressure-loading models”  <i>John Daus</i>	“N-cadherin mimetic peptides inhibit vascular smooth muscle cell migration”  <i>Jonah Burke-Kleinman</i>	“Defined maturation media for advancing physiologically-relevant functional metrics in pluripotent stem cell-derived cardiomyocytes”  <i>Neal Callaghan</i>	“Outcomes after cardiovascular implantable electronic device pulse generator replacement in patients with durable left ventricular assist devices”  <i>Darshan Brahmbhatt</i>
4:37 – 4:42 PM	Q&A <i>John Daus</i>	Q&A <i>Jonah Burke-Kleinman</i>	Q&A <i>Neal Callaghan</i>	Q&A <i>Darshan Brahmbhatt</i>
4:42 – 4:47 PM	“Identifying the fetal AV nodal targets of Congenital Heart Block”  <i>Lisa Vi</i>	Closing Remarks by Judges	Closing Remarks by Judges	Closing Remarks by Judges
4:47 – 4:52 PM	Q&A <i>Lisa Vi</i>			
4:52 – 4:54 PM	Closing Remarks by Judges			
<b>4:55 PM</b>	<b>End of Program</b>			