


BC Regenerative Medicine Cascadia Corridor Research Symposium
The University of Washington, Seattle WA
November 3rd and 4th , 2022

Thursday, November 3rd

Time	Event Description		
12:00pm – 1:00 pm 1:00pm – 1:20pm	Registration, Lunch, & Welcome Reception Pat Boyle, University of Washington Fabio Rossi, University of British Columbia		
1:20pm – 2:20 pm	Session 1: Basic Mechanisms of Stem Cells and Regeneration		
Chair: Tom Reh	15 min	Laura Crisa (UW)	<i>Tissue macrophages as timekeepers of pancreatic beta cells growth, identity and function</i>
	15 min	Stephanie Willerth (uVic)	<i>3D printing complex human tissue models</i>
	15 min	Eric Peterman (UW)	<i>Skin-resident immune cells engulf axonal debris in adult zebrafish epidermis.</i>
	15 min	Michael Underhill (UBC)	<i>Lineage tracing surprises - delineation of the embryonic origin of mesenchymal stromal cells</i>
2:20pm – 2:45pm	COFFEE BREAK		
2:45pm – 3:15pm Chair: Fabio Rossi	30 mins	Keynote: David Granville (UBC) - Granzymes: A buzzkill at the inflammation afterparty	
3:15pm – 3:45 pm Chair: Pat Boyle	Selected Rapid Fire Presentations Kira Evitts Tabea Stephan Soh Ishiguro Yu Jung Shin Marine Theret Jeremy Lotto Hattie Luo		
3:45 pm – 4:45 pm	Session 2: Technical Innovation in Regenerative Medicine		
Chair: Levi Todd	15 min	Nate Sniadecki (UW)	<i>Functional Assessment of Cardiomyocytes Derived from Human Pluripotent Stem Cells Using Engineered Heart Tissue</i>
	15 min	Mohsen Akbari (uVic)	<i>Advanced multifunctional fibers for tissue engineering and drug delivery</i>
	15 min	Cole DeForest (UW)	<i>Irreversible Optogenetics: Photoactivation of Proteins within Cells and Beyond</i>
	15 min	Govind Kaigala (UBC)	<i>Tissue cartometry: Using wall-free microfluidics to create and spatially study heterogenous biological systems</i>
4:45pm – 6:00 pm	Networking and Rambunctious Poster Judging Session		
7:00pm – 11:00 pm	Pub night sponsored by 		

Friday, November 4th

Time	Event Description		
9:30am-9:45am	Registration, & Welcome (Jessica)		
9:45am-10:45am	Session 3: Clinical Applications and Disease Modeling with Stem Cells		
Chair: Yale Michaels	15 mins	Smita Yadav (UW)	<i>Kinase Dysfunction in Neurodevelopmental Disorders</i>
	15 mins	Kirk Schultz (BC Children's)	<i>Using GvHD Biomarkers to Model Operational Immune Tolerance after HCT</i>
	15 mins	Jessica Young (UW)	<i>Endolysosomal dysfunction as a therapeutic target for Alzheimer's disease: Insights from hiPSC models.</i>
	15 mins	Glen Tibbits (SFU)	<i>Using hiPSC-derived cardiac tissue to derive a deeper understanding of the etiology and better therapeutic intervention for hypertrophic cardiomyopathy.</i>
10:45am-11:00am	COFFEE BREAK		
11:00am –11:30am Chair: Jessica Young	Keynote: Jennifer Davis (UW) - Regulators of Fibroblast Fate and Fibrosis		
11:30am – 12:30pm	Session 4: Biotech Showcase		
Chair: Farshad Babaeijandaghi	15 mins	Chuck Murry, Sana Biotechnologies	<i>Pluripotent Stem Cell-Based Heart Regeneration</i>
	15 mins	Chris Bond, Notch Tx	<i>Engineering iPSC derived T-Cells</i>
	30 mins	Career Q&A	<i>STEMCELL Technologies, Sana Biotechnologies, adMare Bioinnovations, ThermoFischer Scientific, NotchTx</i>
12:30pm-1:30pm	LUNCH		
1:30pm – 2:30pm	Session 5: Rising Stars		
Chair: Dena Shahriari	15 mins	Ruchi Sharma (uVic)	<i>3D Bioprinting Human Models of Parkinson's Diseases</i>
	15 mins	Marina Pavlou (UW)	<i>Reprogramming adult Müller glia in a light-damage model of photoreceptor degeneration</i>
	15 mins	Chelsea Gibbs (UW)	<i>Changes in Graft-Host Coupling Can Lead to Engraftment Arrhythmia: A Computational Study</i>
	15 mins	Melina Messing (UBC)	<i>Prognostic peripheral blood biomarkers at ICU admission predict COVID-19 clinical outcomes</i>
2:30pm – 2:45pm	Closing remarks (Tom Reh) & networking		