

SFU Postdoctoral Research Day 2018

Interdisciplinary Research: A Source of Novelty and Discovery

SFU Burnaby, AQ 3153

March 28th, 2018

8:45 – 9:00 **Registration**

9:00 – 9:45 **Welcome**

Elder Margaret | Dr. Joy Johnson | Dr. Viridiana Perez Torres

9:45 – 10:50 **Session 1: Spotlight Talks**

“Model Estimations of Time-Varying Muscle in Rats” | Dr. Chris Tijs

“Context is Everything: Creating Data Tools for Better Infectious Disease Control”
| Dr. Emma Griffiths

“Combining Forces to Fight Fake News” | Dr. Fatemeh Torabi Asr

“Sexual Conflicts of Interest in Mammals” | Dr. Mika Mokkonen

“Mental Health Resilience: Early-life Adversity and Later-life Mental Distress”
| Dr. Theodore D. Cosco

10:50 – 11:20 **Coffee Break**

11:20 – 12:40 **Session 2: Spotlight Talks**

“An Interdisciplinary Assessment of the Sustainability of North American Shark Fisheries” | Dr. David Shiffman

“Waste Not Wanted: Testing the Waste Hypothesis with an Agent-based Model”
| Dr. William Christopher Carleton

“Investigating Thermally Induced Cation Mixing in a Layered Lithium-ion Battery Cathode Material and its Effect on Performance” | Dr. Jeffrey S. Ovens

“Are the Public’s Concerns About Diabetes Addressed in the Research Literature?”
| Dr. Fereshteh Didegah

“Speciation and the Latitudinal Diversity Gradient: Insights from the Global Distribution of Endemic Fish” | Dr. Patrick Hanly

“Have You Heard? Why Pundits Share Scholarly Material Online” | Dr. David Moscrop

12:40 – 14:00 Lunch

13:00 – 13:45 Session 3: Posters & Exhibits (During Lunch)

“Nanoparticles for Drug Delivery” | Dr. Irene Andreu

“Characterizing Muscle Function During Movement Using Computational Modelling”
| Dr. Adrian Lai

“Molecular Modelling of Advanced Energy Materials” | Dr. Mohammad J. Eslamibidgoli

14:00 – 15:15 Session 4: Spotlight Talks & 3 Minute-Pitches

Spotlight Talks

“Photoaffinity Labeling Probes for the Cystic Fibrosis Transmembrane Conductance Regulator” | Dr. Zafar Qureshi

“What’s Bringing Birds to YVR? An Investigation of Feeding Behaviour” | Dr. Sean M. McCann

3 Minute-Pitches

“Red, White, and Grey: Canada’s Aging Population” | Dr. Theodore D. Cosco

“Multimodal Skin Lesion Classification Using Deep Learning” | Dr. Philip Tschandl

“Combining Forces to Fight Fake News” | Dr. Fatemeh Torabi Asr

“Walking on Gecko’s Feet” | Dr. Irene Andreu

“What is a Flipped Classroom and Why Should You Try It” | Dr. Birgit Schwarz

Spotlight Talks

“An In-depth Exploration of Instructors’ Experiences with Flipped Classroom Design, Implementation and Evaluation with and without Teaching and Learning Development” | Dr. Birgit Schwarz

“Microstructural Aspects of Degradation Mechanisms of Graphite Anodes Used in Li-ion Batteries” | Dr. Sandeep Bhattacharya

15:15 – 15:45 Coffee Break

15:45 – 16:45 Keynote Address: Dr. Anne K. Salomon

Associate Professor, School of Resource & Environment Management

“Tipping Points and Transformation in Coupled Human-Ocean Systems”

16:45 – 17:00 Closing Remarks

Dr. Viridiana Perez Torres

17:00 – 21:00 Awards Ceremony & Reception

Diamond Alumni Centre

17:00 – 18:00 Appetizers and Drinks (one free drink ticket)

17:30 – 18:00 Awards Ceremony, Dr. George Agnes, Associate Dean, Science

18:00 – 19:00 Dinner

19:00 – 21:00 Trivia & Social

List of Presenting Postdocs

First Name	Last Name	Department	Advisor
Adrian	Lai	Department of Biomedical Physiology and Kinesiology	James Wakeling
Birgit	Schwarz	Institute for the Study of Teaching and Learning in the Disciplines	Sheri Fabian
Chris	Tijs	Department of Biomedical Physiology and Kinesiology	James Wakeling
David	Shiffman	Department of Biological Sciences	Nicholas Dulvy
David	Moscrop	School of Publishing	Juan Pablo Alperin
Emma	Griffiths	Molecular Biology and Biochemistry	Fiona Brinkman
Fatemeh	Torabi Asr	Department of Linguistics	Maite Taboada
Fereshteh	Didegah	School of Publishing	Juan Pablo Alperin
Irene	Andreu	Department of Chemistry	Byron Gates
Jeffrey	Ovens	Department of Chemistry	Byron D. Gates
Mika	Mokkonen	Department of Biological Sciences	Bernard Crespi
Mohammad J.	Eslamibidgoli	Department of Chemistry	Michael Eikerling
Patrick	Hanly	Department of Biological Sciences	John Reynolds
Philipp	Tschandl	Computing Science	Greg Mori
Sandeep	Bhattacharya	Mechatronics Systems Engineering	Ahmet Alpas
Sean	McCann	Department of Biological Sciences	Jennifer Cory
Theodore	Cosco	Gerontology	Andrew Wister
William	Carleton	Department of Archeology	Mark Collard
Zafar	Qureshi	Department of Chemistry	Robert Young