



# PAST CONFERENCES WINNERS

## 2010-2021

### 2021 Oral Presentations Winners

#### First place

Kevin An, Faculty of Science

*Influence of Nucleic Acid Modifications on Lipid Nanoparticle Morphology and Efficacy*

#### Second place

Charu Sankaran, Faculty of Science

*Improving the Persistence of CAR T-cells with Telomerase*

#### Third place

Emilia Chen, Faculty of Science

Janella Schwab, Faculty of Land and Food Systems

Kimia Rostin, Faculty of Science

Sarah Ng, Faculty of Science

*Modeling the trajectory of SARS-CoV-2 spike protein evolution in continuous latent space using a neural network and Gaussian process*

### 2021 Poster Presentations Winners

#### First place

Favour Omobhude, Faculty of Science

*Do as we say, not as we do: A critical discourse analysis of anti-racism statements released by medical schools and academic medical organizations in 2020*

#### Second place

Norbert Banyj, Faculty of Science



*Impact of Sharing Laboratory Test Costs and Required Blood Volumes on Resident Test Ordering*

### Third Place

Kiana Rahnama, Faculty of Pharmaceutical Sciences  
*Development, Implementation, and Evaluation of a Clinical Tool Kit for the Care of Patients Receiving Clozapine in Acute Psychiatry*

## 2020 Oral Presentations Winners

### First place

Jessica Bo, Faculty of Applied Science  
*Detection of Wheelchairs Using Laser Scanning Sensors for Mobile Robotics*

### Second place

Charul Maheshka, Faculty of Arts  
*The interaction between perception and language: How we reason about quantities*

### Third place

Tamila Kalimullina, Faculty of Science  
*A Non-invasive Neuroprosthesis for Cardiovascular Recovery after Spinal Cord Injury*

## 2020 Poster Presentations Winners

### First place

Jennifer Wong, Faculty of Science  
Sara Kowalski, Faculty of Science  
*Curcumin Prevents the Anti-inflammatory Agent, Triptolide, from Inducing Liver Damage*

### Second place (Tie)

Aysha Allard Brown, Faculty of Science  
*Evaluating the Congruency Between Intraparenchymal and Subdural Intraspinial Pressure in a Porcine Model of Acute Spinal Cord Injury*

### Second place (Tie)



Abigail Yuen, Faculty of Arts

*Are some careers worth higher pay? Communion, collectivism, and occupational prestige across cultures*

### Third Place

Liam Foulger, School of Kinesiology

*Effects of Gaze Direction on the Three-Dimensional Vestibulo-Ocular Reflex Evoked by Electrical Vestibular Stimulation*

## 2020 URO-MURC Interdisciplinary Award Winner

Larissa Chiu, Faculty of Science

*The influence of an acute bout of exercise on sensorimotor integration  
(10-minute Oral Presentation)*

## 2019 Oral Presentations Winners

### Health and Wellness

Nabil Ali-Mohamad, Faculty of Applied Science

*CounterFlow Hemostatic Spray Halts Upper Gastrointestinal Bleeding in a Porcine Model*

### Individual and Society

Nicola Symonds, Faculty of Science

*Orbitofrontal interactions with the amygdala differentially influence efficient risk/reward decision-making*

### Innovation and Technology

Melynda Bergen, VIU

*Synthesis of Novel Coumarins as Potential Antibiotics*

### Sustainability and Conservation

Paul Belzner, Faculty of Science



*Standing Balance Along the Medial-Lateral Direction*

## 2019 Poster Presentations Winners

### Health and Wellness

Caleb Ritchie, Faculty of Science

*Spatial patterns of BOLD signal activation useful for identification and classification of task-state functional brain networks*

### Individual and Society

Harleen Chohan, Faculty of Pharmaceutical Sciences

Tina Cheng, Faculty of Science

*iCON: The impact of interdisciplinary, culturally relevant health education on improving health outcomes in South Asian and Chinese minority participants*

### Innovation and Technology

Kai von Rentzell, Faculty of Land and Food Systems

*How does social behavior and environment shape pronotum structure of treehoppers?*

### Sustainability and Conservation

Crista Rosenberg, Faculty of Science

Yalda Hosseini, Faculty of Science

*Relationship Between Stream Discharge and Dissolved Oxygen Levels at Canyon Creek, and Implications Towards Salmon Development and Physiology*

## 2019 URO-MURC Interdisciplinary Award Winner

Giulio Pregolato, Faculty of Applied Science

Han Nguyen, Faculty of Applied Science

Kalen Forrester, Faculty of Applied Science

*ADD diagnostic app: exploring healthcare accessibility and innovation  
(10-minute Oral Presentation)*



## 2018 Oral Presentations Winners

### Health and Wellness

Ian Ruiz, Faculty of Medicine

*Minocycline reduces the severity of cardiovascular dysfunction after experimental spinal cord injury*

### Individual and Society

Ayman Azhar, Faculty of Science

Yasmin Banga, Faculty of Science

*Does socio-economic status (SES) have an impact on fitness of South Asian children living in Metro Vancouver?*

### Innovation and Technology

Jamie Magrill, Faculty of Science

*Understanding the Roles of Insulin Signalling and Type-2 Diabetes in Pancreatic Intraepithelial Neoplasia Formation*

### Sustainability and Conservation

Zarah Zheng, Faculty of Science

*Inter-annual and spatial variability of methane and nitrous oxide distributions across the North American Arctic Ocean*

## 2018 Poster Presentations Winners

### Health and Wellness

Jenny Liu, Faculty of Science

*A Triple Combination Approach Involving Nerve Transplantation, Glial Scar Digestion and Passive Exercise Promotes Cardiovascular Recover after Spinal Cord Injury*

### Individual and Society

Candace Yip, Faculty of Science



*Halloween and fatal pedestrian crashes in the United States*

## Innovation and Technology

Casper Tsai, Faculty of Science

*Temporal and Spatial Patterning of Esrrb Expression During Cerebellar Development*

## Sustainability and Conservation

Mitch Syberg-Olsen, Faculty of Science

*Diesel particulate matter induces changes in cellular reactive oxygen species generation and lowers CFTR abundance in human airway epithelial cells*

## 2018 URO-MURC Interdisciplinary Award Winner

Chantelle Ko, Faculty of Arts

*TRAVIS - Touch Responsive Augmented Violin Interface System  
(10-minute Oral Presentation)*

Mitch Syberg-Olsen, Faculty of Science

*Diesel particulate matter induces changes in cellular reactive oxygen species generation and lowers CFTR abundance in human airway epithelial cells  
(Poster Presentation)*

## 2017 Oral Presentations Winners

### First place

Gevorg Eginyan, School of Kinesiology

*Effects of Active-Arm-Passive-Leg Exercise (AAPLE) on Acute Cardiorespiratory Responses in Individuals with High Thoracic SCI*

### Second place

Shivani Mysuria, Faculty of Science

*Functional Change in Airway Smooth Muscle Associated with Knockdown of Smoothelin*

### Third place

Christina Cheung, Faculty of Arts



*Eliminating the Penny in Canada: An Economic Analysis of Penny-rounding on Grocery Items*

## 2017 Poster Presentations Winners

### First place

Ariel Ko, Faculty of Arts

*The destructiveness of perfectionism on group psychotherapy: Examining the role of self-disclosure*

### Second Place

Sahil Kanani, Faculty of Science

Kaitlyn Yang, Faculty of Science

Pavneet Kalsi, Faculty of Science

*Whipping Out Bacteria - A New Era of Flagellum-Targeted Antibiotics*

### Third Place

Kristina Balce, Faculty of Medicine

Emilie Theberge, Faculty of Medicine

*The Role of Genetics in Susceptibility or Resistance to Ethanol-Induced Cell Death During Prenatal Brain Development*

## 2016 Oral Presentations Winners

### First place

Aidan Pine, Faculty of Arts

*Mobilizing Language Data: An Endangered Language Dictionary App*

### Second Place

Kennedy Wong, Faculty of Arts

*When Anomie meets the label: Vicious Cycle in Homelessness*

### Third Place



Sam Leutheusser, Faculty of Science  
*Understanding the Black Hole Information Paradox*

## 2016 Poster Presentations Winners

### First place (Tie)

Rachel Wong, Faculty of Science  
*Mind wandering increases sensitivity to affective stimuli*

### First place (Tie)

Michaela Ragoonath, Faculty of Applied Science  
Paula Morales, Faculty of Applied Science  
*UBC Thunderbots*

### Second place (Tie)

Tom Jin, Faculty of Science  
*Analysis of the Lung Microbiome in Idiopathic Pulmonary Fibrosis*

### Second place (Tie)

Anokh Dhillon, Faculty of Arts  
Amolak Dhillon, Faculty of Arts  
*To establish the toxicity of personal care products using human spermatozoa as a biological screening model*

### Third Place

Michelle Lee, Faculty of Science  
Shanna Yeung, Faculty of Science  
*Effects of Intravenous lidocaine infusions on pain and opioid consumption after pediatric scoliosis correction*





## 2015 Oral Presentations Winners

### First place

Rojin Kaviani, Faculty of Science

*Assessment of Behavioural Phenotypes Resulting from Presenilin 1 Mutations, an Alzheimer's Disease Linked Gene, in Caenorhabditis elegans*

### Second Place

Paul Cernek, Faculty of Science

Josh Andrews, Faculty of Science

Josh Baker, Faculty of Applied Science

Arek Sredzki, Faculty of Science

*Autonomous detection and avoidance of marine obstacles using thermal imaging*

### Third Place

Sara Alhowar, Faculty of Science

*Effect of SDF-1 Chemokine on Cell Adhesion Mediated Drug Resistance (CAM-DR) in T-Acute Lymphoblastic Leukaemia*

## 2015 Poster Presentations Winners

### First place

Tony Zhao, Faculty of Science

*Intravenous Immunoglobulin Skews Human Macrophages to a Regulatory Phenotype In Vitro*

### Second Place (Tie)

Kyra Borland-Walker, Faculty of Arts

*Dialectal variation in vowel quality in Gitksan*

### Second Place (Tie)

Jason Zhou, Faculty of Science

*Detection of the pathogenicity factor PtpA in Mycobacterium bovis BCG*



### Third Place

Jerry Ku, Faculty of Medicine

Wayne Hung, Faculty of Medicine

Alvin Ip, Faculty of Medicine

*Developing social accountability and CanMEDS competencies in medical students through three different modes of learning*

## 2014 Oral Presentations Winners

### First place

Katie Mills, Faculty of Land and Food Systems

*Why Do Individuals Groom? Functionality of Behaviour And Its Effect On Kangaroo Rat Conservation*

### Second Place

Michelle Reichert, Department of Zoology

*Arterial Chemoreception in *Tupinambis merrianae*: Evidence for Carotid Body Homology in Lizards*

### Third Place (Tie)

Young Wook Kim, Faculty of Land and Food Systems

*Public Trust in Animal Research Practices*

### Third Place (Tie)

Josh Newton, Faculty of Arts

*Bridging the gap: an analysis of writings from the classroom to the real world*

### Third Place (Tie)

Eugenia Kwok, Faculty of Land and Food Systems

*Public Openness in Laboratory Research: A Survey Study*

### Third Place (Tie)

Tiffany Tse, Faculty of Land and Food Systems

*Herd Size Impacts Dairy Goat Hoof Length and Claw Overgrowth*



## 2014 Poster Presentations Winners

### First place (Tie)

Timothy Birnbaum, Psychology and Computer Science

Ricky Lau, Faculty of Science

Andrea Lam, Faculty of Science

*Stress and Visual Attention*

### First place (Tie)

Bianca Yeung, Faculty of Science

Anita Bal, Faculty of Science

*Father involvement in HIV-related care and antiretroviral (ARV) medication adherence in South Africa*

### First place (Tie)

Erick Carerras, Faculty of Science

Sean Huh, Faculty of Science

Gagandeep Gill, Faculty of Science

Farris Kassam, Faculty of Science

*Hydroelectric Dams: how to make them a true green source of energy*

### Second Place (Tie)

Alvin Ip, Department of Neurosurgery

*A Novel Way of Detecting Intrathecal Baclofen Withdrawal in Post-Operative Patients*

### Second Place (Tie)

Amanda Lee, Department of Psychology (Behavioural Neuroscience)

Richard Rigby, Department of Psychology

*The Inhibitory Effect of CB1 Receptor Agonist HU-210 on Sexual Behaviour in Male Rats*

## 2013 Oral Presentations Winners

### First place



Robyn Giffen, Faculty of Arts

*First Language Literacy: Using Orthography to Empower the Nabit Speakers of Ghana*

## Second Place

Evan Flater, Sauder School of Business

*The Role of Cycling in the Vancouver Transit System*

## Third Place

Paulina Piesik, Faculty of Science

*Viral Hemorrhagic Septicemia Virus: A Potential Pathogen for B.C.'s Farmed Atlantic Salmon*

## 2013 Poster Presentations Winners

### First place (Tie)

Grace Ma, School of Music

*Human Potential, Human Progress and Human Objectivity: The Philosophical Constitution of Classical Music Criticism in d'Alembert's 'Discours préliminaire'*

### First place (Tie)

Harani Ramasamy, Faculty of Science

*Effectiveness of Dabigatran in Treating AD Pathology*

## Second Place

Ada Lo, Faculty of Pharmacy

*Effect of Rectal Cancer Treatment on Quality of Life*

## Third Place

Michael D. Schwan, Faculty of Arts

*An Acoustic Description of Glottalized Obstruents in Gitskan*

## 2012 Oral Presentations Winners

### First place



Alvin Ip, School of Kinesiology

*Applying resistance against the stronger leg to improve walking symmetry in people with stroke: a pilot study*

### Second Place

Benjamin MacLeod, Faculty of Applied Science

*Probing sub-nanosecond dynamics at the atomic scale with a Scanning Tunneling Microscope*

### Third Place

Ryan Trenholm, Department of Computer Science

*Reducing water usage in civic parks using adaptive irrigation*

## 2012 Poster Presentations Winners

### First place

Wille Kwok, Department of Computer Science

Albertina Wong, Department of Microbiology & Immunology

*Bioinformatics analysis of gene networks in Fetal Alcohol Spectrum Disorder (FASD) and Autism Spectrum Disorder (ASD)*

### Second Place

Tess Walker, Faculty of Arts (Psychology)

*A passing acquaintance's impact: Interacting with weak social ties affects well-being*

### Third Place

Ian Wong, Faculty of Pharmacy

*Simvastatin therapy in a castration-resistant prostate cancer cell line reduces cell viability.*

## 2011 Oral Presentations Winners

### First place

April Dutheil, Department of Sociology



*Arviat: An Intimate Re-Examination of Colonial Relations*

## Second Place

Jessica Baker, Department of Microbiology & Immunology  
*Lavender Protects Against Infection Colitis*

## Third Place

Olivia Shi, Faculty of Science (Biology)  
*Hormonal Regulation of Senescence Retardation and the Longevity of Fresh-Cut Chrysanthemum Flowers*

## 2011 Poster Presentations Winners

### First place

Arjun Nanda, Faculty of Science  
*Yoga and other complementary and alternative therapies for quality of life in perinatal women*

### Second Place

Halley Keevil, Faculty of Science  
*Mineralogy of supergene carbonate-hosted nonsulphide Zn-Pb mineralization in southern and central British Columbia*

### Third Place

William Bowden, Faculty of Applied Science  
*Optimizing Microfluidic Technology for High-Content, Image-Based Assays of Mammalian cells at the Single Cell Level*

## 2010 Oral Presentations Winners

Andrew Hughes, Faculty of Arts (Psychology)  
*Hemispheric Asymmetry and Processing of Emotion*



Daniel J. Field, Department of Zoology

*Lunging for a Living: Feeding Mechanics of the Largest Animals That Ever Lived*

Dorian Gangloff, Faculty of Applied Science

*Correcting Quantum Errors: Fighting Decoherence in Nuclear Magnetic Resonance*

Erik Christiansen, Faculty of Arts (International Relations)

*Italians in the Thompson/Okanagan and West Kootenays Between the 1880s and 1920s*

Hang Yu, Department of Microbiology & Immunology

*Long-term Effects of Timber Harvesting on Bacterial and Eukaryal Communities*

Nicholas FitzGerald, Faculty of Science

*ASSESS: Abstractive Summarization Systems for Evaluative Statement Summarization*

Sharon May, Department of Pathology and Laboratory Medicine

*The Role of Brain High Density Lipoproteins in Facilitating  $\beta^2$ -Amyloid Degradation*

## 2010 Poster Presentations Winners

Jenny Lee, Faculty of Science (Biology)

*The Effects of Secondary Degeneration on Size, Shape and Synaptic Input in Neurons in Gracile Fasciculus Following a Complete Spinal Cord Injury*

Melanie van Soeren, Department of Microbiology & Immunology

*Elucidation of the Role of the A600.1 Gene in the Amastigote Stage of Leishmania*

Yukon Chen, Faculty of Science (Biology)

*Does Competitive Fitness against a Common Competitor Predict Competition Outcome between Haploids and Diploids in *Saccharomyces cerevisiae*? Development of a Flow Cytometry Protocol to Measure Competition Outcome between Haploid and Diploids*