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 Banyi, 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 Intraspinal 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 Pregnolato, 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 merianae: 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 \( \beta \)-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*