

March 2025
USRI Project Grant Funding
27/34 applications funded totaling \$78,168

Name	Faculty Mentor	Department	Faculty/School	Title of activity	Amount
Aizon, Jehdi	Qorbani, Sam	Computer Science	Arts and Science	Evaluating the Impact of Virtual Reality Training Simulations in Nursing Education	\$ 3,000.00
Al-Hamadani, Mustafa	Elmorsy, Mohammed	Computer Science	Arts and Science	Decentralized Q-Learning for Adaptive Topology Optimization in Underwater Wireless Sensor Networks	\$ 2,997.00
Anderson, Anika	Augustyn, Carissa	Psychology	Arts and Science	Improving Research Response Among People who are Sexually Attracted to Children	\$ 3,000.00
Arnell, Taylor	Guest, Randi	Biological Sciences	Arts and Science	Pseudomonas aeruginosa Outer Membrane Biogenesis	\$ 3,000.00
Bilodeau, Billie	Digweed, Shannon	Psychology	Arts and Science	Exploring release success in rehabilitated red squirrels	\$ 2,048.00
Faisal Abdalla, Naima	Mugo, Samuel	Physical Sciences	Arts and Science	AI-Driven Portable Sensors for Smart Farming: Enhancing Soil Health and Agricultural Sustainability	\$ 2,997.00
Fayad, Nassreen	Skye, Aimee	Psychology	Arts and Science	How do Culture and Sex Education relate to Consent Perceptions and Communication? A Cross-Cultural Student Survey	\$ 3,000.00
Habib-Mohammed, Ahanavi	Hamilton, Trevor	Psychology	Arts and Science	International and Domestic University Student Behavioural Effects of an Acute Administration of Novel Compound (Nepicastat) in Larval Zebrafish Observed Using Ethovision XT Software	\$ 3,000.00
Hudson, Avery	Strierner, Christopher	Psychology	Arts and Science	The relationship between covert attention and "automatic" reach corrections.	\$ 2,862.00
Irwin, Haley	Miller, Joshua	Biological Sciences	Arts and Science	Implementing a New System for Microsatellite Genotyping of Ostriches	\$ 3,000.00
Kotelniski, Lisa	Schwesinger, Leon	Theatre	Fine Arts & Communications	Exploring Leadership Styles in the Arts	\$ 2,988.00
Mask, Colby	Bourrie, Benjamin	Biological Sciences	Arts and Science	Multikingdom Interactions in Kefir Grains	\$ 3,000.00
McCarty, Will	Legge, Eric	Psychology	Arts and Science	Comparison of Spatial Ability and Musical Ability Through Executive Functioning	\$ 3,000.00
Mitchell, Jayda	Botero-Ramírez, Andrea	Biological Sciences	Arts and Science	Optimizing Growth Conditions for Scalable P. brassicae Inoculum Production	\$ 2,989.00
Mumtaz, Arfaa	Elmorsy, Mohammed	Computer Science	Arts and Science	Soil Diagnostic AI-based Unmanned Aerial System for Precision Agriculture	\$ 2,997.00
Obrigewitch, Michael	Keays, Alexandria	Design	Fine Arts & Communications	Evaluating the Impact of Visual Resources on Lab Learning	\$ 2,980.00
Ohler, Brady	Digweed, Shannon	Psychology	Arts and Science	Inhibitory Control in the North American Red Squirrel	\$ 3,000.00
Saeed, Saniya	Rezanejadbardeji, Habib	Biological Sciences	Arts and Science	Developing Organoids from Human Pancreatic Ductal Cells	\$ 3,000.00
Singh, Loveleen	Davis, Jeffrey	Computer Science	Arts and Science	Development of a Full Body 3D scanner	\$ 3,000.00
Singh, Mehakpreet	Oyelana, Olabisi	Nursing Foundations & Science	Nursing	Navigating Acculturation: Challenges and Coping Strategies Among International Students at MacEwan University	\$ 2,990.00
Stromme, Skylar	El-Haji, Mohamad	Computer Science	Arts and Science	Building a Hybrid Recommender System using Temporal Collaborative Filtering	\$ 2,970.00
Szybunka-Ostopowich, Adam	Vongpaisal, Tara	Psychology	Arts and Science	Visual and Tactile Contributions to Children's Executive Functioning in a Three-Dimensional Object Sort Task	\$ 1,350.00
Tanton, Tristin	Haines, Jessica	Biological Sciences	Arts and Science	Using techniques in paleobotany to understand the diet of Franklin's ground squirrel	\$ 3,000.00
Tiamzon, Melissa	Towle-Straub, Kaitlyn	Physical Sciences	Arts and Science	Synthesis and Antimicrobial Profiling of Cancrin, a Antimicrobial Peptide	\$ 3,000.00
Tkalcic, Lauren	Thurairajah, Kalyani	Sociology	Arts and Science	Faculty perspectives on learning barriers and opportunities in science labs	\$ 3,000.00
Warawa, Morgan	Miller, Joshua	Biological Sciences	Arts and Science	Refining Our Understanding of Genetic Diversity in Northeastern Arctic Graying	\$ 3,000.00
Zidan, Loyal	Ross, Matthew	Physical Sciences	Arts and Science	Assessing Microplastic in Urban Wastewater Treatment Plant Effluent: A Case Study in Calgary Using Advanced Analytical Techniques	\$ 3,000.00
TOTAL					\$ 78,168.00

March 2025
USRI Dissemination Grant Funding
26/27 applications funded totaling \$36,347

Name	Faculty Mentor	Department	Faculty/School	Title of activity	Amount
Abdilmasih, Nicholas	Rezanejadbardeji, Habib	Biological Sciences	Arts and Science	Comparative Analysis of Single vs. Multiple gRNA on NGN3 Expression using a Controllable dCas9VP192 activator(CRISPRa)	\$ 1,500.00
Ahsan, Kinza	Thomson, Bruce	Management & Organizations	Business	Immigration, Religion, and Integration into the Canadian Workplace	\$ 1,500.00
Anderson, Anika	Giacomin, Miranda	Psychology	Arts and Science	Narcissists' Reactions to Stereotyping	\$ 1,500.00
Budianska, Sofia	Long, Jennifer	Anthropology, Economics, and Political Science	Arts and Science	Canadian Anthropology Society's Annual Conference	\$ 1,464.00
Crossland, DJ	Schmaltz, Rodney	Psychology	Arts and Science	Canadian Psychological Association's 86th Annual General Meeting and National Convention	\$ 1,500.00
Gillett, Madylin	Legge, Eric	Psychology	Arts and Science	Cognitive Load in Virtual Environments: Object Crowdedness and Field of View	\$ 1,500.00
Gorman, Britni	Jung, Sandy	Psychology	Arts and Science	Assessing Bias: The Ontario Domestic Assault Risk Assessment Tool and Indigenous Offenders	\$ 1,500.00
Helgeson, Samantha	Offrey, Laura	Psychology	Arts and Science	CPA Conference Presentation and Attendance in June 2025	\$ 1,500.00
Ibrahim, Aminah	Elsaadany, Mahmoud	Computer Science	Arts and Science	Wideband Corrugated Horn Design using ML	\$ 1,500.00
Issa, Nadine	Elsaadany, Mahmoud	Computer Science	Arts and Science	Crossguide Coupler Design Using Deep-Learning Model	\$ 1,500.00
Jans, Syhdnae	Penney, Alexander	Psychology	Arts and Science	Exploring Anxiety-Related Beliefs in Introversion and Neuroticism	\$ 1,500.00
Johnson, Russell	Thiessen, David	Mathematics & Statistics	Arts and Science	Macronutrient Production in Bangladesh: Historical Trends and Future Projections	\$ 1,500.00
Jones, Dana	Moscicki, Michele	Psychology	Arts and Science	Effects of Active vs. Passive Cognitive Reappraisal Interventions on Test Anxiety and Exam Grades	\$ 1,426.00
Lee, Isabelle	Cankaya, Ozlem	Human Services	Health and Community Studies	Exploring the Relationship Between Executive Function and IQ Tests in Canadian Children: Insights from the Head-Toes-Knees-Shoulders Task	\$ 1,500.00
Malek, Samantha	Thiessen, David	Mathematics & Statistics	Arts and Science	Improvement to Atrial Fibrillation Prediction using ECG Measurements in a Variety of Machine Learning Techniques	\$ 414.00
Meeks, Evan	Beauclair, Alain	Humanities	Arts and Science	Impossible Children: Post-Oedipal Subjectivity in Villeneuve's Blade Runner 2049 and Ducournau's Titane	\$ 1,500.00
Nawar, Jolie	Thomson, Bruce	Management & Organizations	Business	Transformational Leadership, Emotion and Women in Leadership	\$ 1,500.00
Newbigging, William	Paradis, Danielle	Communication	Fine Arts and Communications	How to get young people to read the news	\$ 1,115.00
Otte, Branden	Strierner, Christopher	Psychology	Arts and Science	Spatial working memory impairment predicts the severity of spatial neglect symptoms over time.	\$ 1,500.00
Paudel, Avishek	Thiessen, David	Mathematics & Statistics	Arts and Science	Macronutrient Production in Bangladesh: Historical Trend and Future Projections	\$ 1,500.00
Pereira, Maya	Reeves, Kerri-Lynn	Studio Arts	Fine Arts and Communications	BFA Studio Arts 2025 Grad Show: Still Move Publication	\$ 1,500.00
Platt, Daniel	Elmorsy, Mohammed	Computer Science	Arts and Science	Real-time Sign Language Recognition and Translation: A Mathematical Approach	\$ 725.00
Reid, Nadia	Peace, Kristine	Psychology	Arts and Science	CPA 2025 Conference Presentation	\$ 1,500.00
Rittammer, Lucia	Giacomin, Miranda	Psychology	Arts and Science	Collective Narcissism and Reactions to Political Issues	\$ 1,203.00
Taylor, Keirsten	Cankaya, Ozlem	Human Services	Health and Community Studies	Parental Influences on Young Children's Science, Technology, Engineering, and Mathematics Play Behaviours	\$ 1,500.00
Tobert, Jayden	Toth, Joshua	English	Arts and Science	APL Conference	\$ 1,500.00
TOTAL					\$ 36,347.00