

40th Royce Research Conference -2026- March 20th ----short program----

8.30 - 9.00 AM Breakfast & Coffee + Poster Setup (Session #1)

9.00 – 9.10 AM Opening Remarks
P - 116, Bio Sci

9.10 – 10.10 AM The changing landscape of gambling in Canada
P - 116, Bio Sci *Dr. Carrie Shaw, University of Alberta (invited internal speaker)*

10.10 – 11.05 AM **Talk session #1**
P - 116, Bio Sci

- 1 **Reward sensitivity moderates the prospective association between the inhibitory No-Go P3 and emerging eating pathology in early adolescents**
J. X. Y. Tan & P. Liu
 - 2 **Shifting Perspectives: The time course of visual perspective change in autobiographical memory**
N. O. Haksever & P. L. St. Jacques
 - 3 **Individual differences in cognitive tactics for auditory perceptual learning in chickadees**
P. K. Sahu, A. D. Garcia, M. J. Deimeke, S. M. L. Smeltz, K. H. Stenstrom, P. Curiston, O. Okocha, O. Akins, & C. B. Sturdy
 - 4 **Older and Younger Parental Ages at Birth Influence Schizotypal Trait Dimensions**
C. Pavlis, C. F. Wasel, J. Hodson, T. B. Irvine, N. T. Bartlett, A. Muth, & P. L. Hurd.
- 5-minute break

11.10 AM – 12.00 PM **Poster session #1**
CCIS PCL Lounge

- 100 **Pharmacological Modulation of Sleep-Like State Alternations in Urethane Anesthetized Rats**
A. E. Riesen & C. T. Dickson

- 101 **Effect of Bias on Nest Building Decisions**
W. Ibalio, S. Weetman-Gares, B. Neil, M. Holmes, T. Vadia, A. Kalra, G. Kaur, S. K. Gill, C. Nguyen, F. Uy, M. Moustafa, S. Baker, J. L. Self, B. A. Whittaker, S. C. Garrido-Villegas & L. M. Guillet
- 102 **Got You on the Brain: An Exploration of Brain Activity in a Cued Social Attention Task**
B. Cotton, A. Lorincz-Bowman, M. Landry & D.A. Hayward
- 103 **Computer see, human do: Poorer performance but increased fun when the behavior of a computerized opponent is enacted by a human agent**
A.M.El Rifai, C. Tellier, Y. Zhang, E. Na & B.J. Dyson
- 104 **Predictors of Cash-out Feature Use Among Canadian Sports Bettors**
C. A. Shaw, R. J. Williams, R. Steven, D. R. Christensen, D. S. McGrath, D. C. Hodgins, H. S. Kim, Y. Allami, F. Nicoll, J. Park, S. Jangu, B. Truong & B. Soebbing
- 105 **Intergroup relational identity vs. common ingroup identity on leader support in co-operation or competition contexts**
Y. Patel, A. C. Ma & D. Rast III
- 106 **Bias-Based Peer Victimization and Adolescents' Perceptions of School Safety and Respect for Diversity**
K.V. Luken Raz, M. P. Roth & W. L. G. Hoglund
- 107 **Attachment in the Classroom: How Anxiety and Avoidance Shape Threat Processing**
M. Vahdatizadeh, C. Gainor, J. Lepp, A. Dela Cruz, K. Ongaro, K. Nash
- 108 **Gender and health: Investigating the influences of gender variables in the mental health-immune status relationship**
J. Sekhon & E. Forst, Dr. E. Fujiwara
- 109 **ADHD communication & clinical care: Making sense, making plans, making progress**
I. Bourque & Dr. E. N. Scully
- 110 **Endorsement of Gambling Fallacies Among Youth: Preliminary Results From A Scoping Review**
M. R. Leedell & C. A. Shaw
- 111 **The role of generative AI in the well-being of international Chinese undergraduate students**
Y. Li & S.P. Chen, PhD
- 112 **Stressful life events moderated the association between self-referential processing and externalizing behaviors in 9-12-year-old children: evidence from ERPs**
J. Chu, J. X.Y. Tan & P. Liu
- 113 **Visual perspective in autobiographical memory: demographic patterns across sex, gender, and ethnicity**
F. Khan, C. Morales Valiente, N. Irfan, & P. L. St. Jacques
- 114 **Social isolation reduces oxygen consumption, speed of movement, and social preference in zebrafish**
A. Ghosh, A. M. Rao, P. Middha, S. Rai & B. K. Rajaraman
- 115 **The Influence of Built Environments on People's Space Preferences and Attention Distribution Across Studying, Socializing, and Relaxing Activities**
Y. Zhao, M. R. Pacificar, H. Farooqui & D. A. Hayward

- 116 **Investigating the regulation of colouration and steroid hormones by androgens in subordinate *Astatotilapia burtoni***
Z. W. L. Matthews, B. A. Alward & K. M. Munley
- 117 **A bioacoustical investigation of geographic influences on common raven (*Corvus corax*) vocalizations**
S. J. L. Yau, M. Hoeschele, C. Enns, M. Osvath, D. C. Mann, M. Böckle, G. Szípl, T. Bugnyar, C. B. Sturdy & K. A. Campbell
- 118 **Linking Inhibitory Control and Reward Sensitivity to Externalizing Problems in Early Childhood**
G. DeRosa, A. Langner, Z. Meyer, D. Bagheri Rad & Dr. S. A. Wiebe
- 119 **The importance of age: an investigation of acute (-)-nicotine exposure across different life stages in zebrafish (*Danio rerio*)**
M. Mrazik, G. Rosastik, E.V. Hagen, M. Schalomon & T. J. Hamilton
- 120 **Examining the effects of sustained predator calls versus short-term predator calls on long-term chickadee (*Poecile atricapillus*) stress responses.**
S. G. O. Henaku, S. M. L. Smeltz & C. B. Sturdy
- 121 **The good, the bad, and the learnable: rethinking the doors task**
A. Oloriz & C.D. Hassall
- 122 **The Last Memorybender: A Natural Language Processing Framework for Automating the Nuance of Autobiographical Memory Reconstruction**
C. Morales Valiente, M. Osman, M. Shariff & P. L. St. Jacques
- 123 **Defining behaviour mathematically: Using DeepLabCut to create an automated scoring system for the study of complex social behaviours**
C. E. G. Carr, J. Quinn Lee & K. M. Munley
- 124 **Narrative structure as a modulator of reward and memory: an EEG study**
S. J. Harris & C.D. Hassall
- 125 **Examining the Link between Executive Function and Emotion Regulation, and the Role of Parenting Styles in Their Development'**
A. Ma & S. A. Wiebe
- 126 **Reward Processing of Multisensory Feedback**
J. R. Girard & C. D. Hassall
- 127 **Partner bias effects on zebra finch use of nest material**
C. Nguyen, S. K. Gill, S. Weetman-Gares, B. Neil, F. Uy, W. Ibalio, M. Holmes, T. Vadia, H. Gulab, A. Kalra, G. Kaur, M. Moustafa, J. L. Self, S. C. Garrido-Villegas, B. A. Whittaker & L. M. Guillelte
- 128 **Supporting Autocracy: The Impact of Ingroup Status on Leadership Preference**
S. Cottrell-Callbeck, K. Kincaid & Dr. D. Rast III
- 129 **Influences of Stress on Anxiety-like Behaviour in *Kribensis* cichlids**
K. Gill & P. Hurd
- 130 **Provincial to private: how did the privatization of Ontario's online gambling market impact gambling engagement and problems.**
C. A. Shaw, R. Williams, M. Wohl, B. Truong & J. Park
- 131 **Long term vocal changes in female black-capped chickadees (*Poecile atricapillus*)**
A. Mohammad, K. Stenstrom & Dr. C. Sturdy

- 132 **Effects of Physical Load and Feedback Valence on Adaptation Beyond Default Decision-Making Tendencies**
M. S. Boulaksout, B.J. Dyson
- 133 **Environment-general and environment-specific schemas jointly constrain predictive computation during action**
Y. Chen, A. Brown, C. Kwan, C. Mo, D. Berube, J. Gahir, K. Shi, L. Alphonso, P. Van & W. Mou
- 134 **Using Fromm's syndrome of decay to understand an extreme incel community**
A. Sarafinchan & M. Sharp, Ph.D.
- 135 **The Validity of Challenge vs Threat Manipulations in the Context of Self-Uncertainty: A Pilot Study**
H. P. K. Gonella, R. Raval, E. Sharon, K. M. Kincaid & D. E. Rast III
- 136 **Investigation of preference order in an sympatric songbird species**
O. D. Akins, M. J. Deimeke, P. K. Sahu, M. Muthu & C. B. Sturdy
- 137 **Measuring what matters: An environmental scan and quality appraisal of population well-being surveys**
A. C. Kaser, L. R. Colford & T. G. Hill

12.00 PM– 1.00 PM Lunch Break

12.30 - 1.00 PM Poster Setup (Session #2)

1.10PM – 2.00 PM
 CCIS PCL Lounge

Poster session #2

- 200 **Insecurity and authority: Self-esteem's role in leader support**
D. Purmanan, K. M. Kincaid & D. E. Rast III
- 201 **Identifying healthcare disparities and needs for children using home mechanical ventilation in rural and underserved areas of Western and Northern Canada: A multi-jurisdictional environmental scan**
A. Ludlow, N. Qureshi, K. Gibson, D. Ofosu, J. Czupryn, D. Scott & M. Castro-Codesal
- 202 **Toward Ecological Validity in Sport Neuroscience: Using Portable EEG to Examine Neural Readiness During Basketball Free-Throw Shooting**
L. A. Laskowski & K. E. Mathewson
- 203 **Exploring campus: The relationship between visual attention and the embodied experience of Autistic Post Secondary students**
A. Nakonechny, E. Vanden Berg, A. Wang, J. Hauser, I. Weigel-Mohamed, Dr. H.M. Brown & Dr. D.A. Hayward
- 204 **Gender and language learning: A scoping review**
J. A. B. Gatchalian & Dr. K. A. Noels
- 205 **Emotion Face Processing in Eating Disorders**
A. Mouhammed, J. Seo, R. Dwivedi, D. Rochman, L. Ostolosky, S. Dursun, A. Abba-Aji & E. Fujiwara
- 206 **Phenotype-Specific Anxiolytic Drug Effects in Larval Zebrafish**
T. Steman, A. Johnson & T. Hamilton

- 207 **Profiles of self-regulation in early childhood**
L. S. Eni, B. R. L. Zatto & W. L. G. Hoglund
- 208 **When Notifications Interrupt: Effects of Persistent Digital Alerts on Student Learning**
G. Bajwa, R. Brooker & Dr. F. Sana
- 209 **Pre-existing material preferences affect nest-building pace and reproductive success in zebra finch pairs**
 B. A. Whittaker, S. K. Gill, S. Weetman-Gares, B. Neil, C. Nguyen, F. Uy, W. Ibalio, M. Holmes, T. Vadia, A. Kalra, G. Kaur, M. Moustafa, J. L. Self, S. C. Garrido-Villegas & L. M. Guillette
- 210 **Demystifying skepticism: can we teach students to debunk pseudoscience?**
S. Toews & Dr. R. Schmaltz
- 211 **How facial age and emotional expression impact inhibitory responses in children and young adults**
A. Langner & S.A. Wiebe
- 212 **The Effect of Parenting Dimensions on Early Inhibitory Control: A Comparison of Measures**
D. Yun, J. Tijo, J. Olsen, M. Boyd, Dr. S. Wiebe & Dr. V. Carson
- 213 **Examining the dimensional overlap of alexithymia and autism spectrum traits**
R. Dwivedi & E. Fujiwara
- 214 **Manipulating group status effecting group identification in uncertainty**
C. Lin, A. Ma & Dr. D. Rast III
- 215 **The Role Gendered Determinants of Health Play in Health Outcomes Among Gender and Sexually Minorities**
Y. Jallad, R. Dwivedi & E. Fujiwara
- 216 **Symbolic intergroup threat, social identity complexity, and the relationship with affective and issue-based polarization among American voters**
D. Mansurova, E. Neuman, K. Kincaid & D. Rast III
- 217 **Is there an optimal set of features for classification of stimulus-level memory?**
K. A. Pawluk, A. Chahil, F. Anquor & J. B. Caplan
- 218 **Methodological approach for Studying the McGurk Effect in Hindi**
P. Suthar, Dr. T. Vongpaisal & Dr. P. Palo
- 219 **Effects of Anthropogenic Noise on Song-Evoked Neural Activity in the Zebra Finch Auditory Forebrain**
P. Curiston, M. Deimeke, E. Scully & C. Sturdy
- 220 **Simultaneous body- and environment-stabilized spatial updating in mixed reality environments**
 Z. Zhang, D. Wang, A. Brown, P. Van & W. Mou
- 221 **Evaluating the efficacy of a brief implementation of the AIM curriculum with elementary school students**
B. Bauer & M. Macauley
- 222 **Consistent or Plastic? Emotional Valence Drives Sex-Specific Lateralization in Kribensis**
A. P. Kalpana, H. Kim & P. L. Hurd

- 223 **The “Price” of the ideal: thin-ideal exposure modulates reward sensitivity toward food stimuli but not money**
A. Jena & P. Liu
- 224 **Indoor Geometry Constrains Orientational but Not Positional Components of Cognitive Maps**
H. Yu, Y. Chen & W. Mou
- 225 **Assessing a mild inflammatory trigger on functional recovery and mortality in a rat model of intracerebral hemorrhage**
A.C.C. Suerte, M. Parranto, N.K Nyenke-Wofuru, A. Klahr, K. Fouad & F. Colbourne
- 226 **Predicting sexual orientation with birth order, parental ages, & handedness effects**
C. Pavlis & P. L. Hurd
- 227 **Effects of maternal age and oldest child status in asexual, bisexual, heterosexual and homosexual populations**
J. Caudron, C. Pavlis, Dr. P. Hurd
- 228 **Neighbourhood disadvantage and neural correlates of inhibitory control in early adolescence**
L. Brooks, J.X.Y. Tan, P. Liu
- 229 **Teacher self-efficacy and severe student behaviour in post-COVID Alberta public schools: A mixed-methods analysis**
L. Coyne
- 230 **Female use of sexual coaxing and coercion: motivations, sociosexuality, and dark traits**
O. Piché
- 231 **Visual and tactile contributions to executive functioning in a 3-dimensional object sort task**
A. Szybunka-Ostopowich
- 232 **Seeing in 3D: How Depth Influences Gaze Patterns during Naturalistic Viewing**
B. Cotton, M. Loepelmann, K. Herner & P. L. St. Jacques
- 233 **The Effects of Inverted Reading on Item but not Source Memory**
A. S. Roy, D. Guitard, J. B. Caplan
- 234 **Threat perception of black-capped chickadees (*Poecile atricapillus*) to domestic cat (*Felis catus*) acoustic predation cues**
J. T. Evans, K. H. Stenstrom, M. J. Deimeke, & C. B. Sturdy
- 235 **Longitudinal changes in sports betting participation after single-event betting legalization**
C.A. Shaw, R. Williams, B. Truong & J. Park
- 236 **Examining the Impact of Digital Home Literacy Environment on Children’s Emergent Literacy Skills and Word Identification**
A. Pirwany, G. K. Georgiou & T. Inoue
- 237 **Age-dependent lateralization of dominance acoustic cues in female black-capped chickadees**
M. Muthu, M. J. Deimeke, P. Curiston, O. D. Akins, & C. B. Sturdy
- 238 **Can writing about your values reduce how much you dislike the other political side?**
M. Vahdatizadeh, K. Nash

10-minute break

2:10 – 3:30 PM **Talk session #2 (5 talks)**
P - 116, Bio Sci

- 1 **The stressors and coping strategies of Black Canadian students: The development of a culturally-specific measurement**
B. Abdulkadir & K. A. Noels
- 2 **Low social identity complexity amplifies the wish for a strong leader in response to uncertainty**
K.M. Kincaid, M. Ali, & D.E. Rast III
- 3 **Young and old adult brains experience opposite effects of acute sleep restriction on the functional connectivity network**
J. Neudorf, L. Rokos, K. Shen, B. Kent & A. R. McIntosh
- 4 **Semantic factor analysis: analyzing psychometric scales using large-language models**
D. Yanitski & C. Westbury
- 5 **Validation of the Visual Perspective Questionnaire (VPQ)**
C. Morales Valiente & P. St. Jacques

***3.30-4.30 PM** **Keynote Address: The game of telephone and other challenges with eyewitness confidence**
P -116, Bio Sci *Dr. Jamal K. Mansour, University of Lethbridge*

15 minute break

4.45-5.00 PM **Closing Remarks**
P -116, Bio Sci

Joseph R. Royce Research Conference 2026
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