



UNIVERSITY OF
CALGARY

MONDAY MEMO

MARCH 15, 2021

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- DEPARTMENT NEWS
- HIGHLIGHTED PUBLICATION



Cnudde, K., van Hees, S., Brown, S., van derWijk, G., Pexman, P.M., & Protzner, A.B. (2021). Increased neural efficiency in visual word recognition: evidence from alterations in event-related potentials and multiscale entropy. *Entropy*, 23, 304. <https://doi.org/10.3390/e23030304>



Visual word recognition is a relatively effortless process, but recent research suggests the system involved is malleable, with evidence of increases in behavioural efficiency after prolonged lexical decision task (LDT) performance. However, the extent of neural changes has yet to be characterized in this context. The neural changes that occur could be related to a shift from initially effortful performance that is supported by control-related processing, to efficient task performance that is supported by domain-specific processing. To investigate this, we replicated the British Lexicon Project, and had participants complete 16 h of LDT over several days. We recorded electroencephalography (EEG) at three intervals to track neural change during LDT performance and assessed event-related potentials and brain signal complexity. We found that response times decreased during LDT performance, and there was evidence of neural change through N170, P200, N400, and late positive component (LPC) amplitudes across the EEG sessions, which suggested a shift from control-related to domain-specific processing. We also found widespread complexity decreases alongside localized increases, suggesting that processing became more efficient with specific increases in processing flexibility. Together, these findings suggest that neural processing becomes more efficient and optimized to support prolonged LDT performance.

RESEARCH NOTES AND ACTIVITIES

Exner-Cortens, D., & Cummings, N. (2021). Bystander-based sexual violence prevention with college athletes: A pilot randomized controlled trial. *Journal of Interpersonal Violence*, 36(1-2), 188-211. <https://doi.org/10.1177/0886260517733279>

Exner-Cortens, D., Wells, L., Lee, L., & Spiric, V. (2021). Building a culture of intimate partner violence prevention in Alberta, Canada through the promotion of healthy youth relationships. *Prevention Science*, 22, 40-49. <https://doi.org/10.1007/s11121-019-01011-7>

Baraskewich, J., **von Ranson, K. M.**, McCrimmon, A., & **McMorris, C. A.** (2021) Feeding and eating issues in children and adolescents with autism: A scoping review. *Autism: International Journal of Research and Practice*. <https://doi.org/10.1177/1362361321995631>

Eggermont, J.J. 2021. Brain Oscillations, Synchrony and Plasticity. Basic Principles and Application to Auditory-Related Disorders. Academic Press, London, UK. ISBN 978-0-12-819818-6. Pp. 1–250.

Magel, C. A., & **von Ranson, K. M.** (2021). Negative urgency combined with negative emotionality is linked to eating disorder psychopathology in community women with and without binge eating. *International Journal of Eating Disorders*. DOI: 10.1002/eat.23491

McLeod, Carolyn and **Boyes, Mike** (Accepted) The Effectiveness of Social-Emotional Learning Strategies and Mindful Breathing with Biofeedback on the Reduction of Adolescent Test Anxiety *Canadian Journal of Education/Revue Canadienne de l'Éducation*.

Cunningham, S., **Patton, M.**, **Schulte, F.**, Richardson, P., Heathcote, L. (2021). Worry about somatic symptoms as a sign of cancer recurrence: Prevalence and associations with fear of cancer recurrence and quality of life in survivors of childhood cancer. *Psycho-Oncology*. <http://doi.org/10.1002/pon.5647>

EVENTS

Cognitive Science Seminars

The Cognitive Science Seminars (CSS) are back on Mondays from 13:00 to 14:00!

CSS is a series of talks given by trainees and faculty in cognitive psychology where we share our current work, practice presentations, and discuss issues in the field.

In today's session (March 15th) Nicole Boles will be presenting on her honours thesis: "The Home Literacy Environment and Future Language Outcome for Children." Though having an enriched home environment -characterized by lots of books and frequent joint reading with a caregiver- has previously been found to positively impact childhood outcomes, this relationship between the environment and development is not so clear cut. Nicole will give an overview of the complex topic of home literacy environments and discuss how specific properties of these environments relate to later literacy and language outcomes for children.



Join Zoom Meeting

<https://ucalgary.zoom.us/j/99728665689>

Passcode: CSS2021

Next week (March 22th) Chelsie Hart will be presenting on "When Developmental Assessments are (and are not) so Useful."

If you are interested in presenting at CSS or joining our mailing list, please email Chelsie at chelsie.hart@ucalgary.ca

The Social, Personality, and Social Development (SPSD) Psychology Research Group gathers via Zoom **every two weeks on Mondays from 3:00 pm – 4:30 pm**. We discuss and learn about research being conducted by faculty, students, and affiliates of the University of Calgary.

In our next meeting on **March 15, 2021**, Dr. John Ellard's honours student will present their research. **Madison Fairholm** will present her research titled "**Perceptions of Authenticity of Remorse in Criminal Offenders**" and **Kiah Shriner** will share her research on "**The Role of Self-Esteem on Feelings of Deservingness in Relationships**."

You can use the following Zoom link to join the SPSPD meetings during the winter semester.

<https://ucalgary.zoom.us/j/98917604481>

Meeting ID: 989 1760 4481

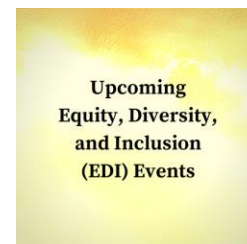
Password: SPSPD



EVENTS Continued...

Weekly EDI Events for March 15 -19, 2021

- Mar 15, 2:00 p.m. – UC Graduate College: [Inspirational Dialogue: Finding Your Voice in Conversations About Race - with Ojeoma Oluo, author of *So You Want to Talk About Race* and *Mediocre: The Dangerous Legacy of White Male America*](#)
- Mar 16, 12:00-2:00 p.m. – UC Writing Symbols Lodge: [Cree Grandmother's Tea Ceremony *for self-identifying women*](#)
- Mar 18, 3:00-4:30 p.m. – UC ii' taa'poh'to'p (Indigenous Strategy): [Indigenous Knowledge Public Lecture Series: Importance of Allies in Transformative Reconciliation with Dr. Paulette Regan](#)
- Mar 19, 7:00 a.m.-1:30 p.m. – McGill University: [Inuit Qaujimagatuqangit: Traditional Knowledge in the Contemporary World - Virtual Round Table](#)
- Mar 19, 2:00-3:30 p.m. – UC Office of EDI: [Collaborate for Change: The Urgency of Eliminating Systemic Racism in Calgary](#)



Are You Interested in Open Science? So Are We!

Join the students in the Open Science Student Support Group (OSSSG) for biweekly sessions where we discuss and learn about different open science practices and support each other in implementing these practices in our own research. Everyone is welcome to attend any or all sessions and are encouraged to bring friends!

Our next two sessions will be about knowledge mobilization. For our first session, Lorraine Reggin will be presenting. She is a PhD Candidate in her 3rd year under the supervision of Dr. Penny Pexman, and she previously practiced as a Speech-Language Pathologist and is a mom of two boys, aged 8 and 10. Due to this experience Lorraine has a passion to share research and make it accessible to teachers, parents, clinicians, and the general public. SSHRC defines knowledge mobilization as “an umbrella term encompassing a wide range of activities relating to the production and use of research results, including knowledge synthesis, dissemination, transfer, exchange, and co-creation or co-production by researchers and knowledge users.” Lorraine will describe the practice of knowledge mobilization, discuss why it is important, and how you can get involved in making your research open to the public.

Topic: Knowledge Mobilization: Making research accessible to the public

When: Friday March 26th from 4:00 – 5:30pm

Presenter: Lorraine Reggin, PhD Candidate

For more details and to register* for this session, go to:

<https://ucalgary.zoom.us/j/91234567890>

*After registering, you will receive a confirmation email containing individual information for joining the meeting.

For more general information on the sessions and our group, please join our [Slack](#) workspace!

For questions, contact Gwen van der Wijk @ gwen.vanderwijk@ucalgary.ca

Image by Gealen Pinnock (CC BY 4.0)



EVENTS Continued...

CMHS Annual Progress Event: Nurturing Resiliency Building together, stronger. Featuring international resilience expert Dr. Michael Ungar alongside UCalgary mental health leaders and community members.

Wednesday, March 24, 2020
11:45 a.m. – 1 p.m. MDT
Virtual webinar

An open dialogue about finding hope through the challenges we've faced during the pandemic. The event features Dr. Michael Ungar, PhD, founder and director of the Resilience Research Centre at Dalhousie University, in conversation with members of the UCalgary community. Questions are welcome following the presentations.

This is our fifth annual event for the Campus Mental Health Strategy. The strategy reflects the university's commitment to enhancing the mental health of students, faculty and staff. It also takes a leadership role in promoting mental health in our community. During this event, a report on the strategy's progress will be shared.

To register click here: <https://www.ucalgary.ca/mentalhealth/strategy/progress/nurturing-resiliency>

There will be other campus mental health activities held this day and through the rest of the week. For future events, [click here](#).

Interested, but unable to attend? Register [here](#) to receive the recording.



ATTACH™ Webinar Series: March 26th @ 12 - 1 PM MST

As part of the CIHR SPOR ATTACH™ study, we are offering a webinar series covering topics related to the ATTACH™ (Attachment and Child Health) study. This month's speaker is Dr. Nicole Letourneau, who will be providing an overview of "Development and health: Toxic stress, parent-child relationships and attachment".

This webinar is free! Please register for the webinar at: <https://bit.ly/3ibXd4G>

ATTACH™ WEBINAR SERIES

ATTACHMENT ♥ CHILD HEALTH



Featuring: Dr. Nicole Letourneau

*Toxic stress, parent-child relationships
and attachment*

JOIN US!

Mar 26th, 2021
12 - 1 PM MST

Register here: <https://bit.ly/3ibXd4G>

EVENTS Continued...

Cornell Translational Research Summer Institute Doing Research in Real-World Settings: Tools and Techniques for Success

Registration Information

When

June 20-21, 2021

Where

Zoom virtual event

Cost

\$125

Some partial scholarships are available for graduate students and postdocs.

What is it?

The Bronfenbrenner Center for Translational Research is offering its 3rd annual Cornell Translational Research Summer Institute (CTRSI). Over several decades, the Bronfenbrenner Center has developed extensive expertise in conducting research in real-world settings and translating empirical findings into practice. Over the course of a day and a half, the 2021 CTRSI will provide training, discussion and reflection on overcoming typical challenges in conducting research in real-world settings like service agencies, health care institutions, community organizations and other non-academic settings.

Each session will cover core principles and practices as well as solutions to key challenges researchers face in doing translational research. Using a workshop format, sessions will be tailored to address specific participant cases and challenges, while also providing general tips, tools and techniques.

Who is it for?

Ideal for early-career researchers (including advanced graduate students and postdocs) interested in conducting research in real-world settings and for established investigators who wish to develop expertise in conducting research with communities, agencies and organizations.

How to register?

Complete the registration form by clicking [here](#). You can pay right away or by April 1st. Your spot will not be reserved until you have paid.

Questions?

Contact Julia Chapman at jc2933@cornell.edu



PSYCHOLOGY IN THE NEWS



Dr. Julia Kam in Science News for [Students “Study is first link brainwaves to certain forms of thought.”](#)

Dr. Joshua Bourdage in CBC [“Screened out by a computer? What job interviews are like without human beings.”](#)

VOLUNTEER AND JOB POSTINGS

For Graduate Students, Faculty, & Staff

Psychology and Neuroscience Department, Dalhousie University 100% 10-month limited-term Instructor appointment.

Start date July 1, 2021

The Department of Psychology and Neuroscience at Dalhousie University invites applications for a 10-month limited-term appointment as Instructor. The position is available beginning July 1, 2021. Job candidates should have a graduate degree in Neuroscience, and have teaching experience at the undergraduate level, preferably in some of the following areas: Behavioural Neuroscience, Molecular Neuroscience, and Genetics. Experience with online course delivery and online learning management systems, preferably Brightspace, will be considered an asset.

The successful candidate will be responsible for instructing six (6), 3-credit hour courses (3 in the fall term, 3 in the winter term): Behavioural Neuroscience (NESC/PSYO 3770F/W), Molecular Neuroscience (NESC/PSYO 3970F), Genes, Brain, and Behaviour (NESC/PSYO 3670F), plus two additional 3-credit hour courses (both in winter term, one of which will be a senior seminar based on a topic of the successful applicant's field of expertise).

Applications can be made online at <http://dal.peopleadmin.ca/postings/5473> and will be reviewed starting April 1, 2021 until the position is filled. Applications should include a summary of previous teaching experience, statement of teaching interest, a curriculum vitae, evaluations received in previously taught university courses

Post-Doctoral Fellowship Position at University of California, Davis in the Psychopathology and Emotional Processing (PEP) Lab (PI: Laura Tully)

The Psychopathology and Emotion Processing (PEP) Lab directed by Dr. Laura Tully at the UC Davis Imaging Research Center and Early Psychosis Program, is seeking to hire a full-time post-doctoral fellow (2-3 years) to work on an NIMH-funded project using the ABCD dataset to investigate sex and pubertal influences on developmental trajectories of brain networks involved in the development of psychosis (ROI MH125873). This project will leverage longitudinal task-based and resting state fMRI, psychosocial, sex hormone, and pubertal development data from the ABCD study to address study aims.

The post-doctoral fellow will be responsible for a range of research activities, including data analysis, manuscript preparation, grant writing, oral presentations, and supervision of research trainees. The position also includes opportunities to participate in clinical activities at the UCD Early Psychosis Program if consistent with the candidates training goals (<https://health.ucdavis.edu/psychiatry/specialties/edapt/index.html>). As part of post-doctoral fellowship training, the fellow will be supported in submission of their own independent grant proposals, including NIH research supplements to promote diversity in health-related research if eligible.

The nature of this project (secondary data analysis) allows candidates to work remotely if desired. Travel to research meetings, conferences, and trainings will be supported.

Applicants must have a PhD in psychology, developmental neuroscience, cognitive neuroscience, computational neuroscience, or related field prior to the start date and a strong interest in neurodevelopmental models of psychopathology and/or sex, gender, and pubertal effects in neurodevelopment. Experience in neuroimaging data analysis using standard software packages (e.g., MATLAB, SPM, FSL, Freesurfer, HCP pipeline tools) is required; strong computational skills and/or expertise in programming in bash/shell, python, and/or related languages is preferred but not required.

Start date is flexible, earliest start date is April 1st 2021.

Salary is in line with NIH NRSA post-doctoral stipends and will be decided based on the candidate's career stage. UC Davis offers full benefits including health, vision, dental, short- & long-term disability, and retirement contribution options.

Interested applicants should email their cover letter, CV, and contact information for three professional references directly to Dr. Laura Tully (lmully@ucdavis.edu). Professional references will not be contacted until a formal interview is scheduled.

Please contact Dr. Tully for more information about the position, working in the PEP Lab, and/or working at UC Davis.

VOLUNTEER AND JOB POSTINGS Continued...**Jindal School of Psychology & Counselling (JSPC) of O.P. Jindal Global University (JGU), SONIPAT, DELHI NCR, INDIA**

Jindal School of Psychology & Counselling (JSPC) of O.P. Jindal Global University (JGU), India has commenced the hiring process of faculty members for the academic session 2021-2022. We are interested in hiring Psychology Ph.D. students passing out in 2020/2021 for faculty positions, who are willing to take up teaching and research assignment from Fall 2021.

Faculty members will be expected to teach undergraduate/graduate courses, mentor students and engage in school and university level activities. We are especially interested in candidates who have demonstrated excellence in teaching or research and possess the communication and interpersonal skills to work effectively with an increasingly diverse array of students and colleagues. JGU is an equal opportunity employer and offers internationally competitive salaries and benefits including comprehensive health and accidental insurance coverage, accommodation on university campus along with research benefits comparable to the top international universities.

Interested Ph.D. graduates can e-mail their curriculum vitae and a letter of interest (teaching & research) at HR@JGU.EDU.IN or at NKAPUR@JGU.EDU.IN

Happy Monday!

Congratulations to everyone included in the Monday Memo! The department recognizes your hard work and dedication. Keep it up!



Zeus

Do you have something you would like to include in the Monday Memo newsletter? Please send it to sharon.schille@ucalgary.ca before Thursday at noon.

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<https://arts.ucalgary.ca/psychology/news/monday-memo>

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