



UNIVERSITY OF
CALGARY

MONDAY MEMO

February 21, 2022

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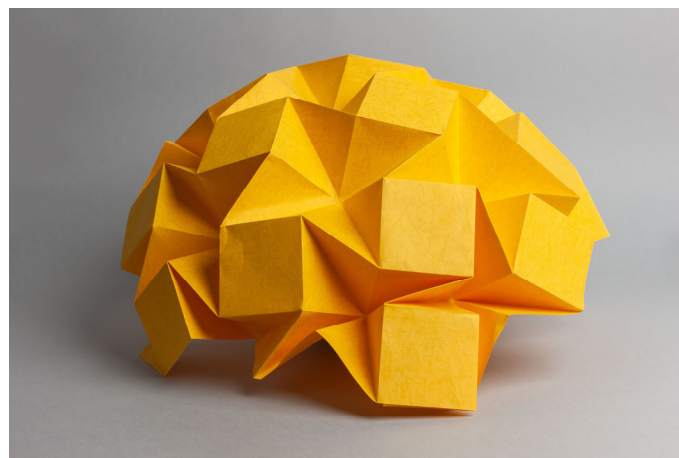
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DEPARTMENT NEWS

HIGHLIGHTED PUBLICATION



Kam, J.W.Y., Mittner, M., & Knight, R.T. (2022). Mind wandering: Mechanistic insights from lesion, tDCS and iEEG. *Trends in Cognitive Sciences*. <https://www.sciencedirect.com/science/article/pii/S1364661321003132?dgcid=author>

fMRI evidence has convincingly implicated the default mode network (DMN) and frontoparietal control network (FPCN) in mind-wandering. Less is known about which subregions in these networks are necessary, and how they facilitate mind-wandering.

A growing number of studies use the lesion and transcranial direct current stimulation (tDCS) approaches to establish the causal link between DMN and FPCN subregions and mind-wandering. They have also identified the mechanistic role of intra-DMN connectivity in this phenomenon.

Intracranial EEG studies have revealed the neurophysiological mechanism underlying mind-wandering and its preferred frequencies in the theta and high-frequency band for communication within and across large-scale neural networks.

To achieve an in-depth understanding of the where, when, and how mind-wandering is implemented in the brain requires a shift away from the predominant reliance on one method toward an integration of complementary methodological approaches.



RESEARCH NOTES AND ACTIVITIES

- Becker, S., Sharma, M.J., & Callahan, B.L.** (2022). ADHD and neurodegenerative disease risk: A critical examination of the evidence. *Frontiers in Aging Neuroscience*, 13(826213): 1-17. <https://doi.org/10.3389/fnagi.2021.826213>
- Beveridge, J. K., Yeates, K. O., Madigan, S., Stone, A. L., Wilson, A. C., Sumpton, J. E., ... & Noel, M.** (2022). Examining parent adverse childhood experiences as a distal risk factor in pediatric chronic pain. *The Clinical journal of pain*, 38(2), 95-107
- Callahan, B.L., Ramakrishnan, N., Shammi, P., Bierstone, D., Taylor, R., Ozzoude, M., Goubran, M., Stuss, D.T., & Black., S.E.** (in press). Cognitive and neuroimaging profiles of older adults with ADHD presenting to a memory clinic. *Journal of Attention Disorders*, Nov 16:10870547211060546. <https://doi.org/10.1177/10870547211060546>. Online ahead of print
- Callahan, B.L., Plamondon, A., Gill, S. & Ismail, Z.** (2021). Contribution of vascular risk factors to the relationship between ADHD symptoms and cognition in adults and seniors. *Scientific Reports*, Dec 20;11(1):24276. <https://doi.org/10.1038/s41598-021-03782-y>
- Callahan, B.L., Shammi, P., Taylor, R., Ramakrishnan, N., & Black., S.E.** (2021). Longitudinal cognitive performance of older adults with ADHD presenting to a cognitive neurology clinic: A case series of change up to 21 years. *Frontiers in Aging Neuroscience*, 13(726374):1-16. <https://doi.org/10.3389/fnagi.2021.726374>
- Kam, J.W.Y., Mittner, M., & Knight, R.T.** (2022). Mind wandering: Mechanistic insights from lesion, tDCS and iEEG. *Trends in Cognitive Sciences*. <https://www.sciencedirect.com/science/article/pii/S1364661321003132?dgcid=author>
- Katy Celina Sandoval, Sarah E. Thackray, Alison Wong, Nicole Niewinski, Colten Chipak, Sukhjinder Rehal and **Richard H. Dyck**. Lack of vesicular zinc does not affect the behavioral phenotype of poly (I:C)-induced maternal immune activation mice. *Frontiers in Behavioral Neuroscience* (in press). <https://doi.org/10.3389/fnbeh.2022.769322>
- McArthur, B., Volkova, V., Tomopoulos, S., & Madigan, S.** (2022). Global Prevalence of Meeting Screen Time Guidelines Among Children 5 Years and Younger: A Systematic Review and Meta-analysis. *JAMA Pediatr*. <https://doi.org/10.1001/jamapediatrics.2021.6386>
- Sohail, R., Berg, L., & Cresswell, J.** (2021). Realism and symbolic systems in the practice of scientific psychology. *Theory & Psychology*, 31(3), 451-454. <https://doi.org/10.1177/09593543211006473>
- Soltani, S., van Ryckeghem, D. M., Vervoort, T., Heathcote, L. C., Yeates, K. O., Sears, C., & Noel, M.** (2022). Clinical relevance of attentional biases in pediatric chronic pain: an eye-tracking study. *Pain*, 163(2), e261-e273

EVENTS

Upcoming Equity, Diversity and Inclusion Events

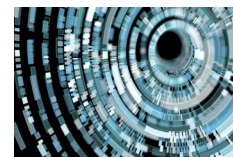
- **12:00-1:00PM MST (WEDNESDAYS WEEKLY). UC WRITING SYMBOLS LODGE: [INDIGENOUS WELLNESS CIRCLE \(WINTER 2022\)](#) - *INDIGENOUS STUDENTS ONLY***
- Feb 20-March 14, 2022 / 60 minute asynchronous course - Mitacs Free Training: Reconciliation & EDI https://events.ucalgary.ca/#!/view/event/event_id/397029
- Feb 22, 2022 / 11:30AM-1:00PM MST - EDI Lunch & Learns - Radical Reform: Transforming Medical Education to Disrupt & Dismantle Anti-Black Racism - <https://www.eventbrite.ca/e/radical-reform-transforming-medical-education-tickets-260656910837>
- Feb 24, 2022 - 4:00-5:00pm MST - UC Faculty of Arts - A Refusal to Hate: Writing and Black Wellness - https://events.ucalgary.ca/#!/view/event/event_id/398381
- Feb 25, & 26, 2022 - 8:30am-3:00pm MST - UC Faculty of Arts - Translators' [In]Visibilities Online Workshop - https://events.ucalgary.ca/#!/view/event/event_id/380643
- Feb 25-Apr 29, 2022 - 11:00am-3:00pm MST (weekly) - UC Faith and Spirituality Centre - Jummah - https://events.ucalgary.ca/#!/view/event/event_id/403474



- Feb 25, 2022 - 10:00-11:00am - UC Womens Resource Centre - Women Leaders Speaker Series: Leadership in City & Community Building - https://events.ucalgary.ca/#!/view/event/event_id/403489
- Feb 28, 2022 - 5:00-7:00pm MST - UC Womens Resource Centre & Gender and Sexuality Studies Program - Little Wiki-Edit-a-thon on the Prairies - https://events.ucalgary.ca/#!/view/event/event_id/404007
- Feb 28, 2022 - 5:00-7:00pm MST - UC Womens Resource Centre & Gender and Sexuality Studies Program - UC Womens Resource Centre & Gender and Sexuality Studies Program - https://events.ucalgary.ca/#!/view/event/event_id/404007
- March 1-22, 2022 - 12:00-1:30pm MST - Indigenous Guiding Principles for Curriculum Development Workshop Series - https://events.ucalgary.ca/#!/view/event/event_id/403791

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 bring friends! For questions, contact Gwen van der Wijk at: gwen.vanderwijk@ucalgary.ca



We're doing a workshop on GITHUB & OSF for our Second Session

****FRIDAY FEBRUARY 18th from 4:00 – 5:30pm****

Topic: Navigating GitHub and OSF (through Graphical User Interfaces)

For registration: <https://ucalgary.zoom.us/meeting/register/tJItlumupjwsE9IrvH97NJ6NQsM3T5sRswMq>

VOLUNTEER AND JOB POSTINGS

For Undergraduate Students

Spring/Summer 499 Student Opportunity

The Addictive Behaviours Lab is looking for students to assist coding clinical interview data from ongoing research projects. Three positions are available. Students will learn the process of Motivational Interviewing and how to code these interviews from transcripts using Excel. There is the possibility to also work on a thematic analysis with a subset of the interviews using Nvivo. Students will gain experience with data organization, data management, and data analysis. If this opportunity to gain clinical research experience interests you, please send your CV to lisa.henkel@ucalgary.ca

Volunteer Research Assistant Opportunity

The Alberta Children's Hospital Pediatric Emergency Research Team is recruiting for a Volunteer Research Assistant opportunity in the Emergency Department. Pediatric Emergency Research Associate Program (PEMRAP) Research Assistants volunteer 4 hours per week in a regularly scheduled shift.

Applicants must be enrolled in a post-secondary institution, available for a 1 year commitment and be 18 years of age or older on April 1, 2022 in order to apply. You must also be fully vaccinated against COVID-19.

Please see website: [PEMRAP | Cumming School of Medicine | University of Calgary \(ucalgary.ca\)](https://www.ahs.ca/PEMRAP)

For additional information please contact Ashley Jones: ashley.jones2@ahs.ca

For Graduate Students, Faculty, & Staff

Psychologist II Position at Red Deer

Position Summary: Responsible for delivering treatment services to clients referred by Veterans' Affairs Canada and Department of National Defence as part of an interdisciplinary team. Responsibilities include: administering and interpreting standardized psychological assessment instruments, designing individualized treatment plans based on assessed needs, and delivering evidence-based psychological treatment interventions. Other related duties as required.

Program Summary: Operational Stress Injury (OSI) Clinic – an outpatient clinic funded by Veterans Affairs Canada that supports former and current Canadian Forces members, and members of the RCMP suffering from an Operational Stress Injury who require specialized assessment and treatment.

Qualifications: Graduated from a recognized degree program in Psychology. Master's Degree required; a PhD would be preferred. Registration with the College of Alberta Psychologists (CAP).

Apply at <https://carewest.ca/careers/>

Volunteer Opportunity

A new study at The University of Alberta is expanding on the research of attachment theory in clinical supervision for developing the most beneficial clinical supervisory relationships during the training process. This study will be looking into clinical supervisor's experience of navigating insecure attachment in their counsellor trainees. The purpose of this study is to develop a better understanding of how clinical supervisors balance personal and professional boundaries while addressing and overcoming insecurities counsellor trainees may have within this supervisory relationship.

This study is looking to interview psychologists or counsellors with experience supervising counsellor trainees' clinical work that have disclosed or consistently displayed signs of an insecure attachment in supervision. Interviews will take approximately 60-90 minutes and will be conducted online over Zoom.

If you are interested in participating or would like more information regarding the study, please contact Elena Volk at bevolk@ualberta.ca.

Happy Monday!

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



Bean (courtesy of Jenney and Bailin)

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

Department of
Psychology

University of
Calgary

Pod Office:
ES 356

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

For your pet to be featured in the Monday Memo, please email: dana.watts@ucalgary.ca
