



COLLEEN HUGHES

Montreal Neurological Institute,
McGill University

ABOUT ME

I am a postdoctoral researcher working with Dr. Nathan Spreng in the Laboratory of Brain and Cognition at the Montreal Neurological Institute at McGill University.

CURRENT RESEARCH

My current research investigates social cognition – how cognitive processes facilitate social interactions – over the lifespan using behavioral and neuroimaging methods. Using longitudinal and multi-method datasets of individuals at high risk for developing Alzheimer's disease, we hope to uncover the period at which social risk factors can be modified to reduce the rapid onset or severity of the disease.

CONTACT

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Twitter : [@Colleen_H15](https://twitter.com/Colleen_H15)

[Google scholar](https://scholar.google.com/citations?user=...)

ASK ME ABOUT

My dog

Moving from the US to Canada

My favorite podcasts

What I'm reading/watching lately

My opinions on poutine 😊



EDUCATION

PhD in Psychology, Indiana University
2015-2020

BA, St. Mary's College of Maryland
2010-2013

SAMPLE PUBLICATIONS

Cassidy, B. S., **Hughes, C.**, & Krendl, A. C. (2021). Age differences in neural activity related to mentalizing during person perception. *Aging, Neuropsychology, and Cognition*, 28(1), 143-160.

Hughes, C., Faskowitz, J., Cassidy, B. S., Sporns, O., & Krendl, A. C. (2020). Aging relates to a disproportionately weaker functional architecture of brain networks during rest and task states. *NeuroImage*, 209, 116521.

Hughes, C., Cassidy, B. S., Faskowitz, J., Avena-Koenigsberger, A., Sporns, O., & Krendl, A. C. (2019). Age differences in specific neural connections within the default mode network underlie theory of mind. *NeuroImage*, 191, 269-277.

COMPETENCIES

I am proficient in:

- MATLAB, R
- SPM, Freesurfer, CONN
- E-Prime, Qualtrics
- Neuroimaging methods: resting-state and task functional connectivity, task-based GLM
- Behavioral methods: social and cognitive function tasks and questionnaires (e.g., emotion recognition in faces)

SPA 2021 GOALS & CAREER DEVELOPMENT

- Learn how to integrate multi-method data (e.g., fMRI & behavior) in a longitudinal framework
- Discover cutting-edge analytic tools & methods
- Hear how other interdisciplinary scientists generate and implement their research questions especially when using existing datasets