Elizabeth DuPre

CONTACT

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EDUCATION

McGill University, Montréal, QC, CAN

Ph.D., Neuroscience — 2017–

Cornell University, Ithaca, NY, USA

M.A., Developmental Psychology — 2014–2017

B.Sc. (Honors), Human Development — 2010–2014

PUBLICATIONS

FMRIPrep: a robust preprocessing pipeline for functional MRI
O. Esteban, C. Markiewicz, R. W. Blair, C. Moodie, A. I. Isik, A. E. Aliaga, J. Kent, M. Goncalves, E. DuPre, M. Snyder, H. Oya, S. Ghosh, J. Wright, J. Durnez, R. A. Poldrack[‡], K. J. Gorgolewski[‡].
Nature Methods (In press).

Semanticized autobiographical memory and the default–executive coupling hypothesis of aging
R. N. Spreng, A. W. Lockrow, E. DuPre, R. Setton, K. A. Spreng, G. R. Turner.
Neuropsychologia 110 (2018) pp. 37–43.

Structural covariance networks across the life span, from 6 to 94 years of age
E. DuPre, R. N. Spreng.
Network Neuroscience 1 (2017) pp. 302–323.

Financial exploitation is associated with structural and functional brain differences in healthy older adults
R. N. Spreng, B. N. Cassidy, B. S. Darboh, E. DuPre, A. W. Lockrow, R. Setton, G. R. Turner.
Journals of Gerontology Series A: Biomedical Sciences and Medical Sciences 72 (2017) pp. 1365–1368.

Multi-echo fMRI replication sample of autobiographical memory, prospection and theory of mind reasoning tasks
E. DuPre, W.-M. Luh, R. N. Spreng.
Scientific Data 3 (2016) p. 160116.

Goal-congruent default network activity facilitates cognitive control

R. N. Spreng, E. DuPre, D. Selarka, J. Garcia, S. Gojkovic, J. Mildner, W.-M. Luh, G. R. Turner.

Journal of Neuroscience 34 (2014) pp. 14108–14114.

HONORS & AWARDS			
	Richard H. Tomlinson Doctoral Fellowship	$70,000 (CAD)	Sept 2017
	Healthy Brains for Healthy Lives Graduate Fellowship	$15,000 (CAD)	Sept 2017
	Organization for Human Brain Mapping Hackathon Travel Award	$500 (USD)	June 2017
	Integrated Program in Neuroscience Recruitment Award	$8,000 (CAD)	Mar 2017
	Human Development Departmental Summer Funding	$4,000 (USD)	May 2015
	NSF Graduate Research Fellowship Honorable Mention	—	Mar 2015

INVITED TALKS		
	McConnell Brain Imaging Center Feindel Lecture Series	Feb 2018
	Lifespan Approaches to Network Neuroscience	
	Human Development Brown Bag	Feb 2017
	Neural Correlates of Remembering, Imagining, & Mentalizing: An Open Replication	
	Aging, Inflammation, Metabolism and Stress Meeting	Jan 2016
	Large Scale Cortical Networks Across the Lifespan Estimated by Structural Covariance	

CONFERENCES

Introducing a BIDS-compliant multi-echo fMRI preprocessing pipeline

E. DuPre, O. Esteban, T. Salo, R. Markello, K. Whitaker, P. Kundu, R. N. Spreng.
Organization for Human Brain Mapping (June 2018).

Collective curation of articles for meta-analyses in brain imaging with Brainspell-neo

N. Somani, S. Ramesh, A. Keshavan, K. Bottenhorn, E. DuPre, G. Kiar, R. Toro, J.-B. Poline.
Organization for Human Brain Mapping (June 2018).

Progress in multi-variate analysis in brain imaging with nilearn

K. Dadi, J. Dockès, A. Hoyos-Idrobo, J. Huntenburg, A. Mensch, A. Abraham, L. Estève, A. Abadie, M. Rahim, E. Dohmatob, D. Bzdok, S. Bougacha, E. DuPre, M. Boos, D. Chyzhyk, M. Eickenberg, K. J. Gorgolewski, A. Gramfort, B. Thirion, G. Varoquaux.

Organization for Human Brain Mapping (June 2018).

Pybids: Python tools for manipulation and analysis of BIDS datasets

T. Yarkoni, A. de la Vega, E. DuPre, O. Esteban, Y. Halchenko, M. Hanke, V. Hayot-Sasson, A. Ivanov, G. Kiar, C. Markiewicz, Q. McNamara, D. Petrov, T. Salo, D. Nielson, J.-B. Poline, R. Poldrack, K. J. Gorgolewski.

Organization for Human Brain Mapping (June 2018).

Organization for Human Brain Mapping open science hackathons: Accessible and inclusive neuroinformatics

E. DuPre‡, G. Kiar‡, C. R. Craddock, C. Gorgolewski, F. Hoffstaedter, A. Keshavan, J.-B. Poline, M. Visconti di Oleggio Castello, K. Whitaker, P. Bellec.

Computer Human Interaction (Apr. 2018).

Autonomic influences on resting-state activity mediated by the basal forebrain

R. D. Markello, E. De Rosa, E. M. DuPre, W.-M. Luh, R. N. Spreng, A. K. Anderson.

Organization for Human Brain Mapping (June 2017).

Age-related changes in the neural correlates of remembering, imagining, and mentalizing

E. DuPre, A. W. Lockrow, W.-M. Luh, R. N. Spreng.

Cognitive Neuroscience Society (Apr. 2016).

Relationship between large-scale cortical networks estimated by structural covariance and resting-state functional connectivity MRI

E. DuPre, R. N. Spreng.

Society for Neuroscience (Oct. 2015).

Contextually relevant default network activity facilitates working memory performance

R. N. Spreng, E. DuPre, D. Selarka, J. Garcia, S. Gojkovic, J. Mildner, K. Kurkela, G. R. Turner.

Cognitive Neuroscience Society (Apr. 2014).

TEACHING	**Brainhack School Instructor**	May 2018
	Department of Human Development, Cornell University	
	Instructor, Introduction to fMRI Analysis Workshop	Mar 2017

- Designed materials, created website, and led demonstrations for two day workshop

Graduate Teaching Assistant, Social & Affective Neuroscience — Spring 2017

- Held office hours, helped to create and grade assignments

	Course Grader, Quantitative Methods I & II	2015–2016
	Graduate Student School Outreach Program Instructor	Spring 2016
	Splash! at Cornell Instructor	2015

TRAINING	The Carpentries Instructor Certification	June 2018
	Mozilla Open Leadership Training	Spring 2018
	Methods in Neuroscience at Dartmouth Summer School *Dartmouth College*	Aug 2017
	Neurohackweek *University of Washington eScience Institute*	Sept 2016
	Advanced Neuroimaging Summer Program *University of California–Los Angeles Semel Institute*	July 2016
	ComSciCon–Cornell *Cornell University*	May 2015
	AFNI Bootcamp *National Institutes of Health*	Sept 2014

PROFESSIONAL SERVICE	Mozilla Open Leadership Mentoring	2018
	Organization for Human Brain Mapping Open Science Special Interest Group	2017–2019
	Organization for Human Brain Mapping Diversity & Gender Committee	2017–2018
	Department of Human Development Graduate Studies Committee	2014–2016

MEMBERSHIPS	Organization for Human Brain Mapping
	Society for Neuroscience