

JESSEY WRIGHT

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AOS | Philosophy of Science, Philosophy of Neuroscience, Teaching and Pedagogy

AOC | Science and Values, Philosophy of Physics, Logic, Critical Thinking

EDUCATION

The University of Western Ontario London, ON, Canada
PhD, Philosophy 2012–2017
Dissertation Title: Evidence in Neuroscience: Towards a Philosophy of Data Analysis
Supervisor: Dr. Jacqueline Sullivan
Internal Examiners: Dr. Michael Anderson, Dr. Chris Viger, Dr. Stefan Köhler
External Examiner: Dr. Colin Klein

The University of Waterloo Waterloo, ON, Canada
MA, Philosophy 2011–2012
Thesis Title: Quantum Field Theory: Motivating the Axiom of Microcausality
Supervisor: Dr. Doreen Fraser

BMATH: 2006–2011
Degree: Honours Applied Mathematics with Physics Option, Joint Honours Philosophy

CURRENT POSITIONS

Postdoctoral Scholar 2017–present
Stanford University
Member 2018–present
Editorial Advisory Board for Teaching Philosophy
Member 2013–present
Rotman Institute of Philosophy

CURRENT SCHOLARSHIPS, GRANTS AND AWARDS

SSHRC - Postdoctoral Fellowship Oct 2017-19
NSF - Postdoctoral Fellowship Oct 2017-19
AAPT Grant for Innovations in Teaching 2016-18

PUBLICATIONS

Articles

- **Wright, J.** (Forthcoming) “Seeing Patterns in Neuroimaging Data”, in *Imagining the Brain: Episodes in the History of Brain Research*, Ambrosio, C, and Maclehorse, B (eds)
- **Wright, J.** (Forthcoming) “Playing Games and Learning from Shared Experiences”, *American Association of Philosophy Teachers Studies in Pedagogy*
- **Esteban, E, Markiewicz, C, Blair, RW, Moodie, C, Isik, AI, Aliaga, AE, Kent, J, Goncalves, M, DuPre, E, Snyder, M, Oya, H, Ghosh, S, Wright, J, Durnez, J, Poldrack, R, Gorgolewski KJ** (Forthcoming) “fMRIPrep: a robust preprocessing pipeline for functional MRI”, *Nature Methods*
- **Wright, J.** (2107) “The Analysis of Data and the Evidential Scope of Neuroimaging Results”, *British Journal for the Philosophy of Science*, Online First
- **Martin, C., Sullivan, J., Wright, J., Köhler S** (2107) “How landmark suitability shapes recognition memory signals for objects in the medial temporal lobes”, *NeuroImage*
- **Jacquart M. and Wright, J.** (2107) “Teaching Philosophy Graduate Students about Effective Teaching”, *Teaching Philosophy*
- **Wright, J.** (2015) “Course Participation: Defining and Evaluating Student Participation”, *American Association of Philosophy Teachers Studies in Pedagogy* DOI 10.5840/aaptstudies201510115
- **Martin CB, Cowell RA, Gribble PL, Wright J, Köhler S** (2015) “Distributed category-specific recognition memory signals in human perirhinal cortex”, *Hippocampus* DOI 10.1002/hipo.22531
- **Wright, J.** (2014) “Participation in the Classroom: Classification and Assessment Techniques,” *Teaching Innovation Projects* 4(1), Article 3. Available At: <http://ir.lib.uwo.ca/tips/vol4/iss1/3/>

Non-Scholarly Publications - Blog Contributions

- [Canada-Israel Symposium: Brain Plasticity, Learning and Education](#)
- [Interview with Michael Anderson](#)
- [Teaching Philosophy of Science with Games](#)

PRESENTATIONS AND TALKS

★ = Peer-Reviewed; ◇ = Invited

PRESENTED TALKS

“Importing Tools and Interpreting Data: What Difference does Context Make?”

◇ Workshop on the Philosophy of Cognitive Science III

August 2018

“Making Patterns and Interpreting Data in Neuroimaging Research”

- ★ Society for Philosophy of Science in Practice July 2018
 - “Making Images and Interpreting Data in Neuroimaging Research”**
 - ★ Values in Science Medicine and Technology May 2018
 - “Towards a Participatory Approach to Philosophy of Science”**
 - ★ Learning from Empirical Approaches to HPS April 2018
 - “Interpretations of Neuroimaging Data as Explanations of Data Patterns”**
 - ★ Canadian Society for the History and Philosophy of Science May 2017
 - “Data Analysis and the Perceived Value of Data”**
 - ★ European Association for the Study of Science and Technology August 2016
 - “Effectively Teaching Pedagogy to Philosophy Graduate Students”**
 - ★ American Association of Philosophy Teachers July 2016
Presented With: Melissa Jacquart
 - “Meta-Analyses in Neuroimaging: Integrating Data to Achieve Construct Stability”**
 - ★ Society for Philosophy of Science in Practice June 2016
 - “Towards the Responsible Curation and Use of Big Data in Biomedicine”**
 - ★ Socially Relevant Philosophy of and in Science and Engineering May 2016
Presented With: James A. overton
 - “Graduate Student Training for Interdisciplinary work with Neuroscientists”**
 - ★ Socially Relevant Philosophy of and in Science and Engineering May 2016
Presented With: Robert Foley, Anna Blumenthal and Robert Whitwell
 - “The Cognitive Ontology and the Evidential Scope of Neuroimaging Data”**
 - ★ Society for the Philosophy of Science in Practice June 2015
 - “Data Analysis and the Evidential Scope of Neuroimaging”**
 - ★ Canadian Society for the History and Philosophy of Science May 2015
 - “Indicators of Brain Structure: Lessons from MVPA”**
 - ◇ Workshop on Free Will and Cognitive Ontologies February 2015
 - “The Inferential Limits of MVPA”**
 - ◇ Internal Speaker Series, Brain and Mind Institute September 2014
Presented With: Chris Martin
 - “Xenophanes’ Epistemology”**
 - ★ Canadian Philosophy Association May 2014
 - “Reassessing the Evidence of Neuroimaging”**
 - ★ Canadian Society for the History and Philosophy of Science May 2014
- WORKSHOPS
- “Course Participation: Defining and Evaluating Student Participation”**
 - ★ Stanford Postdocs Pedagogy Journal Club July 2018
 - “Learning from Experience: Using Games to Build Analogical Scaffolds”**
 - ★ American Association of Philosophy Teachers July 2016
 - “Course Participation: Defining and Evaluating Student Participation”**

* American Association of Philosophy Teachers July 2014

COMMENTARIES

“The Practice of Neuroscience and Functional Independence”

◇ Canadian Philosophy Association May 2015
on V. Bergeron’s “How to Decompose the Mind”

“Precaution and Conflicting Harms”

◇ Author Meets Critics April 2015
on D. Steel’s “Precautionary Principle”

POSTERS

“Philosophy In Science: A Participatory Approach to Inquiry”

* Philosophy of Science Association November 2018

“Analytic Transparency and Expertise: Visual Reports as Scaffolds”

* Understanding Replication Across the Sciences October 2018

“Evidence in the Age of Data Sharing: Lessons from a Dispute over NeuroSynth”

* Organization of Human Brain Mapping Annual Meeting June 2018

“Categorizing Cognitive Processes with Brain Data”

* Rethinking the Taxonomy of Psychology April 2016

“Science as a Problem Solving Activity: A Teaching Strategy”

* Workshop on Teaching Philosophy to Scientists June 2015
at Society for Philosophy of Science in Practice
Co-author: Frederic Banville

“The Epistemic Status of Multi-Voxel Pattern Analysis”

* Experimentation in Neuroscience Workshop November 2013

GRANTS, SCHOLARSHIPS, AND AWARDS

NSF - STS Postdoctoral Fellowship National Science Foundation	2017-19 \$188,400
SSHRC Postdoctoral Fellowship Social Sciences and Humanities Research Council of Canada	2017-19 \$81,000
Mitacs-Accelerate Internship Mitacs-Accelerate Program in collaboration with InfoTech Research Group for, "Games as Analogical Scaffolds in Teaching and Learning"	2016-17 \$15,000
AAPT Grant for Innovations in Teaching American Association of Philosophy Teachers for, "A Game-Based Tool for Introducing Philosophy of Science"	2016-18 \$500
Joseph-Armand Bombardier CGS Doctoral Scholarship Social Sciences and Humanities Research Council of Canada	2013-16 \$35,000 annually
Michael Smith Foreign Study Supplement Social Sciences and Humanities Research Council of Canada	2015 \$6,000
Rotman Institute Graduate Research Assistantship Rotman Institute of Philosophy, Western University for, "Lab Associates Curriculum Project" with, Charles Weijer, Jacqueline Sullivan and Robert Foley	2015 \$5,000
Rotman Institute Travel Award Rotman Institute of Philosophy, Western University	2015 \$600
Rotman Catalyst Funding Rotman Institute of Philosophy, Western University for, "The Epistemic Status of fMRI Technology and Data Analysis Techniques" with, Stefan Köhler, Jacqueline Sullivan and Chris Martin	2014 \$9,450
Sponsored Accommodations Centre for Philosophy of Science at the University of Pittsburgh for, "Experimentation in Neuroscience" workshop	2013 \$500
Ontario Graduate Scholarship Ontario Ministry of Training, Colleges and Universities	2012-13 \$15,000
High Priority Financial Package University of Western Ontario, Department of Philosophy	2012-13 \$15,000
Joseph-Armand Bombardier CGS Masters Social Sciences and Humanities Research Council of Canada	2011-12 \$17,500
Presidents Graduate Scholarship University of Waterloo	2011-12 \$1,000

PROFESSIONAL SERVICE

Peer Reviewer

Journal of Cognitive Science	since 2018
Studies in History and Philosophy of Modern Physics	since 2015
Philosophical Psychology	since 2015

Conference Organization

Philosophy of Mind, Language and Cognitive Science (PhilMiLCog) Grad Conference

Western University, London, ON, Canada

ORG. COMMITTEE CHAIR	15 th PhilMiLCog, May 2015	Keynote: K. Andrews
ORGANIZING COMMITTEE	14 th PhilMiLCog, May 2014	Keynote: B. Brossard

Philosophy of Logic, Mathematics, and Physics (LMP) Graduate Conference

Western University, London, ON, Canada

ORGANIZING COMMITTEE	14 th LMP, June 5–6, 2014	Keynote: D. Fraser
ORGANIZING COMMITTEE	13 th LMP, May 18–19, 2013	Keynote: H. Halvorson

Committees

Philosophy Department, Philosophy Graduate Student Association (PGSA)

Philosophy Graduate Student Association Social Committee

· COMMITTEE CHAIR	2013–2014
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PGSA Welcoming Committee

· GRADUATE STUDENT MENTOR	2013–2015
· COMMITTEE MEMBER	2011–2012

Rotman Institute of Philosophy

Rotman Institute Events Planning, and Outreach Committee (REPOC)

· K-12 EDUCATION OUTREACH CHAIR	2014–2015
· K-12 EDUCATION OUTREACH MEMBER	2013–2014
· BLOG CONTRIBUTOR, ROTMAN BLOG	2013–2017

TEACHING EXPERIENCE

University of Western Ontario

Big Ideas (TA)	Prof G. Barker, Fall 2014
Introduction to Philosophy of Mind (TA)	Prof A. Mendelovici, Winter 2014
Basic Logic (TA)	Dr. E. Doyle, 2012-2013

University of Waterloo

Professional and Business Ethics (TA)	Dr. G. Andres, 2012
Introduction to Logic (TA)	M. McEwan, 2012
Professional and Business Ethics (TA)	Dr. R. Hinton, 2011

Guest Lectures

“Epistemology of fMRI: Data and Analysis”	for Lab Associates Program, Oct 2015
“MRI Technical Overview”	for Lab Associates Program, Oct 2014
“Combatibalism and Free Will”	for A. Mendelovici, 2014
“Eliminative Materialism”	for A. Mendelovici, 2014
“Philosophical Issues in Neuroimaging”	for J. Sullivan, 2014
“MRI Technical Overview”	for Lab Associates Program, Oct 2013
“Bayes’ Theorem”	for E. Doyle, 2013

K–12 Outreach

“What is Philosophy (of Science)?”	for Grade 12 IBE Theory of Knowledge, Fall 2014
“What is Philosophy (of Science)?”	for Grade 12 Philosophy, Fall 2014
“Measuring Constants”	for Grade 11 Physics, Winter 2014

GRADUATE COURSEWORK

(c): For credit; (a): Audit; (u): Unofficial (Sitting in)

Philosophy Department, University of Western Ontario:

PhD (Fall 2012 – Present)

(u) Epistemology of Experimentation	J. Sullivan, W2015
(c) Philosophy of Neuroscience	J. Sullivan, W2014
(a) Scientific Realism	S. Psillos, F2013
(c) Philosophy of Neuroscience	J. Sullivan, W2013
(c) Pre-Socratics	J. Thorp, W2013
(c) History of 20th Century Philosophy of Science	K. Okruhlik, W2013
(c) Proseminar	A. Botterell, F2012
(c) Symmetry in Philosophy and Physics	C. Smeenk, F2012
(c) Survey of Philosophy of Science	W. Myrvold, F2012
(a) Trust and Testimony	C. McLeod, F2012

Philosophy Department, University of Waterloo:

MA (2011 – 2012)

(a) Testimony Based Belief	T. Kenyon, Winter 2012
(a) Contemporary Epistemology	J. Turri, Winter 2012
(a) Proseminar: Pluralism	D. DiVidi, 2011–2012
(a) Socially Relevant Philosophy of Science	K. Plaisance, Fall 2011

ADDITIONAL EDUCATION AND TRAINING

SUMMER SCHOOLS AND WORKSHOPS:

Summer Seminars in Neuroscience and Philosophy Duke University	July 2018
Summer Institute: Foundations of Statistical Mechanics Rotman Institute of Philosophy	July 2013 14–20

READING GROUPS:

Lab Associates Program Philosophy Dept & Rotman Institute, Western University	2013–2017
Philosophy and the Precautionary Principle Philosophy Dept, Western University	Winter 2015
Philosophy, Pedagogy, and Introductory Courses Philosophy Dept, Western University	2014–2015 (co-organizer)
Science, Policy, and Philosophy Working Group Rotman Institute, Western University	2013–2015
Modelling in Science Philosophy Dept & Rotman Institute, Western University	2013–2014
Presumed Incompetent <i>The Intersections of Race and Class for Women in Academia</i> Philosophy Dept, Western University	Summer 2013

PROFESSIONAL TEACHER TRAINING:

Teaching Mentor Program Western University's Teaching Support Centre	Sep–Nov 2014
Advanced Teaching Program Western University's Teaching Support Centre	Jun 2013 7–28
Future Professor Workshop Series Western University's Teaching Support Centre	2013– 2017

PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

Organization for Human Brain Mapping (OHBM)	Since 2018
American Association for Philosophy Teachers (AAPT)	Since 2014
Canadian Society for History and Philosophy of Science (CSHPS)	Since 2013
Canadian Philosophical Association (CPA)	Since 2013
Philosophy of Science Association (PSA)	Since 2014
Rotman Institute of Philosophy	
Resident Student Member	2013–2017
Non-Resident Student Member	2012–2013