

# JESSEY WRIGHT

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ADDRESS | Department of Psychology, Jordan Hall  
Stanford University, Stanford, CA, United States  
E-MAIL | [jwrig25@stanford.edu](mailto:jwrig25@stanford.edu)  
WEBSITE | [www.jesseywright.com](http://www.jesseywright.com)

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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

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**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

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**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

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**SSHRC - Postdoctoral Fellowship** Oct 2017-19  
**NSF - Postdoctoral Fellowship** Oct 2017-19

## PUBLICATIONS

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### Articles

- **Wright, J.** (Forthcoming) “Playing Games and Learning from Shared Experiences”, *American Association of Philosophy Teachers Studies in Pedagogy*
- **Wright, J.** (2018) “Seeing Patterns in Neuroimaging Data”, in *Imagining the Brain: Episodes in the History of Brain Research*, Ambrosio, C, and Maclehorse, B (eds)
- **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** (2017) “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

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★ = 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

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

## PROFESSIONAL SERVICE

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### Peer Reviewer

History and Philosophy of the Life Sciences	since 2018
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 <sup>th</sup> PhilMiLCog, May 2015	Keynote: K. Andrews
ORGANIZING COMMITTEE	14 <sup>th</sup> PhilMiLCog, May 2014	Keynote: B. Brossard

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

Western University, London, ON, Canada

ORGANIZING COMMITTEE	14 <sup>th</sup> LMP, June 5–6, 2014	Keynote: D. Fraser
ORGANIZING COMMITTEE	13 <sup>th</sup> 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

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

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### 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

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(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

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### SUMMER SCHOOLS AND WORKSHOPS:

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

### READING GROUPS:

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

### PROFESSIONAL TEACHER TRAINING:

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

## PROFESSIONAL MEMBERSHIPS AND AFFILIATIONS

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



## LETTERS OF REFERENCE

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Prof. Jacqueline Sullivan  
Department of Philosophy, University of Western Ontario

jsulli29@uwo.ca

Prof. David Concepcion  
Department of Philosophy and Religious Studies, Ball State University  
Sen-Foong Lim  
Developmental Service Worker and Child

dwconcepcion@bsu.edu

slim@fanshawe.ca

Youth Care Worker Program, Fanshawe College