

ANDREW J. BAUER

Curriculum Vitae

Department of Psychology
University of Toronto
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EDUCATION

- Carnegie Mellon University, Pittsburgh, PA 2016
Ph.D. in Psychology (Cognitive Neuroscience)
Advisory Committee: Drs. Marcel Just (mentor), Charles Kemp, Tom Mitchell
- Carnegie Mellon University, Pittsburgh, PA 2014
M.S. in Psychology (Cognitive Neuroscience)
- Kenyon College, Gambier, OH 2008
B.S. (double major) in Neuroscience, Psychology

ACADEMIC EMPLOYMENT

- University of Toronto, Toronto, ON 2016-present
Postdoctoral Fellow, Department of Psychology
Principal Investigators: Drs. Katherine Duncan, Amy Finn

PEER-REVIEWED PUBLICATIONS

- Bauer, A. J., & Just, M. A. (2015). Monitoring the growth of the neural representations of new animal concepts. *Human Brain Mapping, 36*(8), 3213–3226.
- Padmala, S., Bauer, A., Pessoa, L. (2011). Negative emotion impairs conflict-driven executive control. *Frontiers in Psychology, 2*(192).
doi: 10.3389/fpsyg.2011.00192.
- Hu, K., Bauer, A., Padmala, S., Pessoa, L. (2012). Threat of bodily harm has opposing effects on cognition. *Emotion, 12*(1), 28–32.
- Pessoa, L., Padmala, S., Kenzer, A., Bauer, A. (2012). Interactions between cognition and emotion during response inhibition. *Emotion, 12*(1), 192–197.

BOOK CHAPTERS

- Bauer, A. J., & Just, M. A. *Neural representations of concepts*. To appear in G. de Zubicaray & N. Schiller (Eds.), *Oxford Handbook of Neurolinguistics*. Oxford: Oxford University Press.

MANUSCRIPTS IN REVIEW

Bauer, A. J., & Just, M. A. A brain-based account of “basic-level” concepts.

MANUSCRIPTS IN PREPARATION

Bauer, A. J., & Just, M. A. Brain reading and behavioral methods offer complementary perspectives on the representation of concepts: A case study of animal concepts.

Bauer, A. J., & Just, M. A. Neural representations of semantic relations.

TALKS AND POSTER PRESENTATIONS

Invited Talks:

Bauer, A. J., Kemp, C., & Just, M. A. (2015, March). *Comparing representations of animal concepts as inferred from brain reading versus behavioral studies: Thematic and taxonomic organization.* Talk presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

Posters:

Bauer, A. J., & Just, M. A. (2017, June). *Neural representations of semantic relations.* Poster session to be presented at the Organization for Human Brain Mapping Annual Meeting, Vancouver, BC.

Bauer, A. J., & Just, M. A. (2016, April). *A brain-based account of “basic-level” concepts.* Poster session presented at the Cognitive Neuroscience Society Annual Meeting, New York, NY.

Bauer, A. J., Kemp, C., & Just, M. A. (2015, March). *Comparing representations of animal concepts as inferred from brain reading versus behavioral studies: Thematic and taxonomic organization.* Poster session presented at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA.

Bauer, A. J., & Just, M. A. (2014, June). *Monitoring the growth of the neural representations of new animal concepts.* Poster presented at the Organization for Human Brain Mapping Annual Meeting, Hamburg, Germany.

AWARDS AND GRANTS

Herb Simon Graduate Student Teaching Award (CMU Psychology)	2016
Cognitive Neuroscience Society Graduate Student Award (US\$500)	2015
National Science Foundation Graduate Fellowship Honorable Mention	2013

WORKSHOPS

Productive Academic Writing, directed by Paul Silvia	2016
Eberly Center Future Faculty Program (<i>course design and teaching</i>)	2013-16
Multimodal Neuroimaging Training Program (<i>6-week MEG neuroimaging</i>)	2013

TEACHING EXPERIENCE

Course Instructor (CMU Psychology):

Cognitive Brain Imaging Spring 2014,
2015, 2016
*Designed and taught weekly lab sessions on fMRI data preprocessing,
univariate GLM analysis (SPM), and multivoxel decoding and encoding*

Teaching Assistant (CMU Psychology):

Cognitive Neuroscience Research Methods Spring 2013
Biological Foundations of Behavior Fall 2012

TECHNICAL SKILLS

fMRI Data Analysis: SPM, AFNI
Programming and Statistical Analysis: Python, MATLAB, R, Linux/Unix, C, Lisp
Stimulus Presentation: PsychoPy, CogLab, Presentation

MEDIA COVERAGE

Wired: "Neuroscientists capture the moment a brain records an idea"
KurzweilAI: "First glimpse of new concepts developing in the brain"

PROFESSIONAL ACTIVITIES

Postdoctoral Fellow Steward, Canadian Union of Public Employees (U Toronto) 2017
Undergraduate Mentor for Honors Thesis Program (U Toronto) 2017

RESEARCH EXPERIENCE

Indiana University, Bloomington, IN 2008-11
Research Assistant, Department of Psychological and Brain Sciences
Principal Investigator: Dr. Luiz Pessoa

PROFESSIONAL MEMBERSHIPS

Organization for Human Brain Mapping
Cognitive Neuroscience Society

GRADUATE COURSEWORK

Machine Learning	Cognitive Robotics	Social Psychology
Bayesian Statistical Analysis	Research Methods	Cognitive Psychology
Cognitive Modeling (ACT-R)	Developmental Psychology	

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REFERENCES

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