

Sarah Koopman
Department of Brain & Cognitive Sciences
University of Rochester
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EDUCATION

PhD Candidate, Brain & Cognitive Sciences 2013 - present
University of Rochester Rochester, NY

Master of Arts in Brain & Cognitive Sciences 2016
University of Rochester Rochester, NY
Committee: Jessica Cantlon (advisor), Brad Mahon, Steve Piantadosi

Bachelor of Arts in Neuroscience 2011
Wellesley College Wellesley, MA

AWARDS AND HONORS

NSF GROW Fellowship 2017
Curtis Award for Excellence in Teaching by a Graduate Student 2016
University of Rochester

NSF Graduate Research Fellowship 2014 - 2017
Sproull Fellowship 2013 - 2014
University of Rochester

Neuroscience Department Honors 2011
Wellesley College

Sigma Xi 2011
Hubel Thesis Writing Prize 2011
Wellesley College

Amabel Boyce James Fund for Summer Research in the Sciences Award 2010
Wellesley College

RESEARCH EXPERIENCE

Concepts, Actions, and Objects Lab (University of Rochester)
Graduate Research Assistant 2013 - present

Tomonaga Lab, Primate Research Institute (Kyoto University)
GROW Fellow 2017 - 2018

Miller Lab, Picower Institute for Learning and Memory (MIT)
Technical Assistant 2011 - 2013

Human Variation Lab (Wellesley College)
Honors Thesis 2010 - 2011
Research Assistant 2009 - 2011

TEACHING EXPERIENCE

Guest Lectures

- “Understanding of 1-to-1 Correspondence by Non-Human Primates”
Animal Minds (J. Cantlon) Fall 2016
- “Conceptual Organization in Primates”
Animal Minds (J. Cantlon) Fall 2016
- “Comparative Cognition”
Development of Mind and Brain (R. Aslin & C. Kidd) Spring 2016
- “Conceptual Organization in Primates”
Animal Minds (J. Cantlon) Fall 2015
- “Comparative Cognition”
Development of Mind and Brain (R. Aslin & C. Kidd) Spring 2015
- “Conceptual Organization in Primates”
Animal Minds (J. Cantlon) Fall 2014

Graduate Teaching Assistant

- Animal Minds (J. Cantlon) Fall 2016
- Development of Mind and Brain (R. Aslin & C. Kidd) Spring 2016
- Development of Mind and Brain (R. Aslin & C. Kidd) Spring 2015

RESEARCH TALKS

Koopman, S. E. (2017). The origins of numerical cognition. **Talk** presented at the Primate Research Institute Psychology Seminar, Kyoto University, Inuyama, Japan.

Koopman, S. E. (2017). The origins of numerical cognition. **Talk** presented at the Brain & Cognitive Sciences Department Lunch Series, University of Rochester, Rochester, NY.

Koopman, S. E. (2016). The evolutionary foundation of numerical cognition. **Talk** presented at the Brain & Cognitive Sciences Department Lunch Series, University of Rochester, Rochester, NY.

Koopman, S. E. & Wilmer, J. (2011). Keep your eye on the ball: Playing and watching sports linked to smooth pursuit precision. **Talk** presented at the Ruhlman Conference, Wellesley College, Wellesley, MA.

POSTERS

Koopman, S. E., Cantlon, J. F., Piantadosi, S. T., & MacLean, E. L. (2017). The evolution of quantitative sensitivity. **Poster** presented at the Support for African/Asian Great Apes (SAGA) Symposium, Inuyama, Japan.

Brown, K., **Koopman, S. E.**, & Cantlon, J. F. (2017). One-to-one correspondence helps monkeys better differentiate exact numbers. **Poster** presented by K. Brown at the Annual Meeting of the Animal Behavior Society, Toronto, ON.

Koopman, S. E., Arre, A. M., Piantadosi, S. T., & Cantlon, J. F. (2017). Understanding the 1-to-1 correspondence principle without counting. **Poster** presented at the Biennial Meeting of the Society for Research in Child Development, Austin, TX.

Koopman, S. E., Mahon, B. Z., & Cantlon, J. F. (2015). Common signatures of conceptual processing in monkeys and humans. **Poster** presented at the Biennial Meeting of the Cognitive Development Society, Columbus, OH.

Koopman, S. E., Mahon, B. Z., & Cantlon, J. F. (2014). Common conceptual structures in monkeys and humans. **Poster** presented at the International Conference on Comparative Cognition, Melbourne, FL.

Koopman, S. E., Tsoi, L., & Wilmer, J. (2011). Keep your eye on the ball: Playing and watching sports linked to smooth pursuit precision. **Poster** presented at the Vision Sciences Society Annual Meeting, Naples, FL.

Tsoi, L., **Koopman, S. E.**, & Wilmer, J. (2011). Video-game training improves smooth pursuit precision. **Poster** presented by L. Tsoi at the Vision Sciences Society Annual Meeting, Naples, FL.

Koopman, S. E. & Wilmer, J. (2010). Factors correlated with smooth pursuit eye movements. **Poster** presented at the Summer Research Joint Poster Session, Wellesley College, MA.

Chen, C. & **Koopman, S. E.** (2010). You look so familiar! A study of the relationship between personality and face memory. **Poster** presented at the Ruhlman Conference, Wellesley College, MA.

PUBLICATIONS

Koopman, S. E., Cantlon, J. F., Piantadosi, S. T., MacLean, E. L., et al. (in prep). The Evolution of Quantitative Sensitivity.

Koopman, S. E., Mahon, B. Z., & Cantlon, J. F. (2017). Evolutionary constraints on human object perception. *Cognitive Science*, 41(8), 2126-2148.

UNDERGRADUATE MENTORSHIP

Kristin Smith (Research Assistant)	2017-Present
Tomas Waz (Research Assistant)	2016-Present
Yiyun Huang (Research Assistant)	2016-Present
Abigail Haslinger (Research Assistant)	2015-2017
Gabrielle Bueno (Research Assistant)	2014-2017

Alyssa Arre (Research Assistant)	2013-2015
Yinghui Qiu (Research Assistant)	2013-2015

Mentee Awards

President's Award for Undergraduate Research (University of Rochester): Yiyun Huang	2018
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National Conference on Undergraduate Research Invited Talk (Council on Undergraduate Research): Abigail Haslinger	2017
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Deans' Award for Undergraduate Research (University of Rochester): Gabrielle Bueno	2017
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President's Award for Undergraduate Research (University of Rochester): Alyssa Arre	2015
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Professor's Choice Award for Undergraduate Research (University of Rochester): Yinghui Qiu	2015
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SCIENCE OUTREACH

Brain Awareness Week Student Representative Neuroscience Department, University of Rochester	2014-Present
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SKILLS AND QUALIFICATIONS

Software: Microsoft Office, MATLAB, R, Visual Basic.
Languages: Basic knowledge of French and Japanese.