Sarah Koopman
Department of Brain & Cognitive Sciences
University of Rochester
skoopman@ur.rochester.edu

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" Fall 2016
Animal Minds (J. Cantlon)

"Conceptual Organization in Primates" Fall 2016
Animal Minds (J. Cantlon)

"Comparative Cognition" Spring 2016
Development of Mind and Brain (R. Aslin & C. Kidd)

"Conceptual Organization in Primates" Fall 2015
Animal Minds (J. Cantlon)

"Comparative Cognition" Spring 2015
Development of Mind and Brain (R. Aslin & C. Kidd)

"Conceptual Organization in Primates" Fall 2014
Animal Minds (J. Cantlon)

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. (2018). The evolution of quantitative sensitivity. **Talk** presented at the Cognition Research Group Meeting, University of Stirling, Stirling, Scotland.

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., Arre, A. M., Piantadosi, S. T., Cantlon, J. F. (in prep). Understanding the 1-to-1 correspondence principle without language.

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)	2017-2018
Tomas Waz (Research Assistant)	2016-2018
Yiyun Huang (Research Assistant)	2016-2018
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 2018
(University of Rochester): Yiyun Huang

National Conference on Undergraduate Research Invited Talk 2017
(Council on Undergraduate Research): Abigail Haslinger

Deans' Award for Undergraduate Research 2017
(University of Rochester): Gabrielle Bueno

President's Award for Undergraduate Research 2015
(University of Rochester): Alyssa Arre

Professor's Choice Award for Undergraduate Research 2015
(University of Rochester): Yinghui Qiu

SCIENCE OUTREACH

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

SKILLS AND QUALIFICATIONS

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