

AMANDA ROYKA

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EDUCATION

Yale University

PhD., Psychology

Advisors: Julian Jara-Ettinger & Laurie Santos

Expected Graduation: Spring 2026

University of Edinburgh

Master's in Linguistics by Research

Advisors: Simon Kirby & Marieke Schouwstra

Dissertation Topic: An examination of the features of symbolic communicative gestures and how those features may serve to signal communicative intent to observers

2019-2020

Queen Mary University of London

Master's in Ecology and Evolutionary Biology with Distinction

Advisor: Lars Chittka

Dissertation Topic: An investigation of cumulative cultural transmission in large earth bumblebees

2018 – 2019

Yale University

BS in Cognitive Science, Summa Cum Laude

Advisors: Laurie Santos & Angie Johnston

Thesis: A comparative study of metacognitive information-seeking in dingoes and domesticated dogs in order to examine the relationship between the cognitive representations underlying a sensitivity to the mental states

2014 – 2018

AWARDS AND HONORS

Yale Council of Latin American and Iberian Studies, \$500

2023

Yale Ender's Fellowship Grant, \$2,000

2022

Marshall Scholar

2018 – 2020

Rhodes Scholarship Finalist

2018

Yale Angiers Prize for best undergraduate thesis in psychology

2018

Publications

Royka, A., Torok, G., & Jara-Ettinger, J. (2023). Guiding Inference: Signaling intentions using efficient action. *45th Annual Meeting of the Cognitive Science Society*.

Royka, A., Chen, A., Aboody, R., Huanca, T., & Jara-Ettinger, J. (2022). People infer communicative action through an expectation for efficient communication. *Nature Communications*. 13(1), 1-13.

Royka, A., & Santos, L. R. (2022) Theory of Mind in the Wild. *Current Opinions in Behavioral Sciences*.

Royka, A. L., & Jara-Ettinger, J. (2021). Commentary: Ignorance Matters. *Behavioral and Brain Sciences*.

McAuliffe, K., Drayton, L. A., **Royka, A.**, Aellen, M., Santos, L. R., & Bshary, R. (2021). Cleaner fish are sensitive to what their partners can and cannot see. *Communications Biology*.

Royka, A., Schouwstra, M., Kirby, S., & Jara-Ettinger, J. (2021). I Know You Know I'm Signaling: Novel gestures are designed to guide observers' inferences about communicative goals. *43th Annual Meeting of the Cognitive Science Society*.

Royka, A. L., Johnston, A. M., & Santos, L. R. (2020). Metacognition in canids: A comparison of dogs (*Canis familiaris*) and dingoes (*Canis dingo*). *Journal of Comparative Psychology*, 134(3), 303.

Johnson, S. G. B., **Royka, A.**, McNally, P., & Keil, F. (2019). When is science considered interesting and important?. *41st Annual Meeting of the Cognitive Science Society*.

Royka, A., Aboody, R., & Jara-Ettinger, J. (2018). Movement as a message: inferring communicative intent from actions. *40th Annual Meeting of the Cognitive Science Society*.

TEACHING

TA, Introduction to Psychology	Spring 2023
TA, Introduction to Cognitive Science	Fall 2022
TA, Perspectives on Human Nature	Spring 2022
TA, Introduction to Psychology	Fall 2021

CONFERENCE PRESENTATIONS AND INVITED TALKS

Invited Talk: Shaped to Communicate: Gesture as a form of goal inference (2023). Consortium for Interacting Minds, Dartmouth College.

Poster: **Royka, A.**, Torok, G., & Jara-Ettinger, J. (2023). Guiding Inference: Signaling intentions using efficient action. Computational Summer School on Modeling Social and Collective Behavior.

Poster: **Royka, A.**, Torok, G., & Jara-Ettinger, J. (2023). Guiding Inference: Signaling intentions using efficient action. 45th Annual Meeting of the Cognitive Science Society. [Virtual]

Presentation: **Royka, A.**, Schwoustra, M., Kirby, S., & Jara-Ettinger, J. (2021). I Know You Know I'm Signaling: Novel gestures are designed to guide observers' inferences about communicative goals. Society for Philosophy and Psychology.

Presentation: **Royka, A.**, Schwoustra, M., Kirby, S., & Jara-Ettinger, J. (2021). I Know You Know I'm Signaling: Novel gestures are designed to guide observers' inferences about communicative goals. 43rd Annual Meeting of the Cognitive Science Society.

Presentation: **Royka, A.**, Aboody, R., & Jara-Ettinger, J. (2018). Movement as a message: inferring communicative intent from actions. 40th Annual Meeting of the Cognitive Science Society.

Poster: **Royka, A.L.**, Johnston, A.M. & Santos, L. R. (2017). Metacognition across domestication: A comparison of dogs and dingoes. Poster Presentation, North American International Canine Science Conference