

# Cody Moser

PHD STUDENT  
COGNITIVE AND INFORMATION SCIENCES  
UNIVERSITY OF CALIFORNIA, MERCED

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## Education and Research Experience

### University of California, Merced

PHD COGNITIVE AND INFORMATION SCIENCES

- Advisor: Dr. Paul Smaldino
- Committee: Tyler Marghetis, Alex Petersen, Justin Yeakel
- Dissertation: "Modeling Dynamics and Structure in Epistemic Ecologies"

Merced, CA  
2020 - present

### Harvard University

VISITING FELLOW, GRADUATE SCHOOL OF ARTS AND SCIENCES

- Principal Investigator: Dr. Samuel Mehr
- Affiliated Department: Psychology

Boston, MA  
2018-2022

### Texas A&M University

MA ANTHROPOLOGY

- Advisor: Dr. Jeffrey Winking
- Thesis: "Aggressive Mimicry as a Human Hunting Strategy"

College Station, TX  
2016 - 2019

### Florida State University

BS ANTHROPOLOGY, MINORS IN BIOLOGY AND STATISTICS

- Thesis advisors: Drs. Elizabeth Peters, Dean Falk, Emily Lemmon
- Honor's Thesis: "Anti-Predator Behaviors in Nocturnal Strepsirrhines"

Tallahassee, FL  
2013 - 2016

## Professional Experience

- 2022-2024 **Oskar Morgenstern Fellow**, Mercatus Center, George Mason University  
2020 **Transportation Policy Intern**, Reason Foundation  
2020 **Poverty and Inequality in California Research Project Intern**, Cato Institute  
2015-2016 **Lab Assistant**, Center for Anchored Phylogenomics

## Publications

*\*Denotes co-principal authorship; <sup>1</sup>Awarded "Feature paper" by journal*

### REFEREED PUBLICATIONS

**Moser, C.**, & Smaldino, P. E. (2023). Innovation-Facilitating Networks Create Inequality. *Proceedings of the Royal Society B: Biological Sciences*, 290: 20232281.

Smaldino, P. E., **Moser, C.**, Pérez Velilla, A., Werling, M. (2023). Maintaining transient diversity is a general principle for improving collective problem solving. *Perspectives on Psychological Science*.

Falandays, J. B., Kaaronen, R. O., **Moser, C.**, Rorot, W., Tan, J., Varma, V., Williams, T., Youngblood, M. (2023). All Intelligence is Collective Intelligence. *Journal of Multiscale Neuroscience*, 2(1), 169-191.

**Moser, C.**, Buckner, W., Sarian, M., Winking, J. (2023). Aggressive Mimicry and the Evolution of the Human Cognitive Niche. *Human Nature*.

\*Hilton, C. B., **\*Moser, C.**, Bertolo, M., Lee-Rubin, H., Amir, D., Bainbridge, C. M., ... & Mehr, S. A. (2022). Acoustic regularities in infant-directed speech and song across cultures. *Nature Human Behaviour*, 1-12.

<sup>1</sup>**Moser, C.**, & Smaldino, P. E. (2022). Organizational Development as Generative Entrenchment. *Entropy*, 24(7), 879.

Holbrook, C., Yoon, L., Fessler, D. M. T., **Moser, C.**, Delgado, J. D., Kim, H. (2022). Moral Parochialism and Causal Appraisal of Transgressive Harm in Seoul and Los Angeles. *Scientific Reports*, 12, 14227.

## REFEREED CONFERENCE PROCEEDINGS

\*Milzman, J. & \***Moser, C.** (2023). Decentralized core-periphery structure in social networks accelerates cultural innovation in an agent-based model. In Proc. of the 22nd International Conference on Autonomous Agents and Multiagent Systems (AAMAS 2023), London, United Kingdom, May 29 – June 2, 2023, IFAAMAS.

## COMMENTARIES

Peréz Velilla, A., **Moser, C.**, Smaldino, P. E. (2022). Hidden Clusters Beyond Ethnic Boundaries. [commentary on Uchiyama et al.] *Behavioral and Brain Sciences*, 45.

**Moser, C.**, Ackerman, J., Dayer, A., Proksch, S., Smaldino, P. E. (2021). Why don't cockatoos have war songs? [commentary on Mehr et al. and Savage et al.]. *Behavioral and Brain Sciences*, 44.

## Presentations

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### CONTRIBUTED TALKS

**Moser, Cody.** 2023. Innovation-Facilitating Networks Create Inequality. Templeton World Charity Foundation Diverse Intelligences Summit

Milzman, Jesse, **Moser, C.** 2023. Decentralized core-periphery structure in social networks accelerates cultural innovation in an agent-based model. International Conference on Autonomous Agents and Multiagent Systems.

**Moser, Cody.** 2022. The Network Science of Cumulative Innovations. Institute for Humane Studies 2022 Graduate Conference.

**Moser, Cody.** 2021. Structural and Mechanistic Analogies in Evolutionary Thinking. California Workshop on Evolutionary Social Science

### CONTRIBUTED POSTERS

**Moser, Cody,** Milzman, J. 2023. Decentralized core-periphery structure in social networks accelerates cultural innovation in an agent-based model. Santa Fe Institute Collective Intelligence Symposium.

Milzman, Jesse, **Moser, C.** 2023. Decentralized core-periphery structure in social networks accelerates cultural innovation in an agent-based model. International Conference on Autonomous Agents and Multiagent Systems.

**Moser, Cody.** 2022. The Network Science Cumulative Innovations. 8<sup>th</sup> International Conference on Computational Social Science.

**Moser, Cody.** 2019. Aggressive Mimicry as a Human Hunting Strategy. Human Behavior and Evolution Society 31<sup>st</sup> Annual Conference.

**Moser, Cody,** et al. 2019. Acoustical Regularities in Infant-Directed Vocalizations Worldwide. Acoustical Society of America 177<sup>th</sup> Meeting.

Gursky, Sharon, **Moser, C.** 2018. Echolocation in a nocturnal primate? American Association of Physical Anthropologists 87<sup>th</sup> Annual Meeting.

**Moser, C.** 2016. Anti-predator behaviors in four species of nocturnal strepsirrhine. American Association of Physical Anthropologists 85<sup>th</sup> Annual Meeting.

**Moser, C.** 2015. Spatial height preferences in wild *Cebus capucinus*. American Association of Physical Anthropologists 84<sup>th</sup> Annual Meeting.

### INVITED TALKS

Fall 2023. *Organizational Development as Generative Entrenchment*. Prosocial World Case Studies in Cultural Evolution Working Group.

Spring 2023. *Innovation-Facilitating Networks Create Inequality*. Santa Fe Institute Information Architectures as Sociotechnical Competitions Workshop.

Spring 2023. *Innovation-Facilitating Networks Create Inequality*. Future Gallo School of Management External Advisory Council Meeting, UC Merced.

Fall 2022. *Little Fish in Small Ponds Panel: Early Career Researchers in Big Science*. 2022 Big Team Science Conference.

Fall 2022. *Acoustic Regularities in Infant-directed Speech and Song Across Cultures*. UC Merced Developmental Psychology Colloquium.

Spring 2022. *Acoustic Regularities in Infant-directed Speech and Song Across Cultures*. University of Cambridge Centre for Music and Science Colloquium.

Spring 2021. *Theory of Mind Towards Non-Human Animals*. Yale Department of Psychology Computational Social Cognition Group.

Fall 2016. *Anti-Predator Behaviors in Four Species of Nocturnal Strepsirrhine*. Duke Lemur Center 50<sup>th</sup> Anniversary Symposium.

## Non-Academic Articles

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- 2023 **Works in Progress Magazine**, On the origins of empathy for other species
- 2022 **Hungarian Conservative Print Edition Special Issue on Conservatism and Innovation**, The Ties That Bind Us  
**Quillette Magazine**, Saving Twitter – A Roundtable w/ Bo Winegard, Jim Rutt, Cody Moser
- 2020 **Areo Magazine**, Freeman Dyson, *In Memoriam*  
**Reason.org**, Driver's License Suspensions and Fees Unfairly Impact the Poor And Are in Need of Reform
- 2019 **Skeptic Magazine 24.3**, The Enigma of Stephen Jay Gould  
**Areo Magazine**, There's Little Reason to Worry About the SAT's New Adversity Score  
**Areo Magazine**, "Is Science Racist?" Book Review
- 2018 **Areo Magazine**, The Selfish Nature of Human Cooperation  
**Quillette Magazine**, The Dangers of Dugin's Particularism  
**Areo Magazine**, Alice Dreger's Middle Finger: Sex, Gender and Unhelpful Hair-Splitting

## Fellowships & Awards

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| 2024 | <b>Junior Fellowship,</b><br>Institute for Humane Studies  | \$ 6,000                                   |
| 2023 | <b>Oskar Morgenstern Fellowship,</b><br>The Mercatus Center<br><br><b>Winning Research Proposal,</b><br>SFI Complexity-GAINs Workshop on Representation and Intelligence<br><br><b>Cognitive &amp; Information Sciences Graduate Student Spotlight Award,</b><br>UC Merced Department of Cognitive and Information Sciences<br><br><b>DISI Alumni Award,</b><br>Diverse Intelligences Summer Institute | \$ 7,000<br><br><br><br><br><br><br>\$ 750 |
| 2022 | <b>Oskar Morgenstern Fellowship,</b><br>The Mercatus Center  | \$ 7,000                                   |
| 2021 | <b>Humane Studies Fellowship,</b><br>Institute for Humane Studies  | \$3,000                                    |
| 2016 | <b>International Awareness Fellowship,</b><br>Texas A&M MSC LT Jordan Institute  | \$2,000                                    |

2015 **Florida State University Homepage Featured Student,**  
Florida State University

## Grants

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2024	<b>Institute for Humane Studies Event Support Grant,</b> <i>Event Funding: Understanding the Emergence of Group Knowledge in Social Systems: Complexity, Synergy, and Innovation in Social Groups</i>	\$ 3,500
2023	<b>Institute for Humane Studies Publication Accelerator Grant,</b> <i>for Identifying Leverage Points in Opinion Dynamic Networks with External Influence</i>	\$ 5,000
	<b>UC Merced Office of the Dean of Social Sciences, Humanities and Arts Grant,</b> <i>Event Funding: CWESS 2023</i>	\$ 5,000
	<b>UC Merced Center for Analytic Political Engagement (CAPE),</b> <i>for Identifying Leverage Points in Opinion Dynamic Networks with External Influence</i>	\$ 700
	<b>Mercatus Center Travel Award,</b> <i>for SFI Collective Intelligence Symposium</i>	\$ 200
	<b>AAMAS Student Scholarship,</b> <i>for AAMAS 2023</i>	\$ 460
	<b>Institute for Humane Studies Hayek Travel Award,</b> <i>for AAMAS 2023</i>	\$ 750
2022	<b>UC Merced Graduate Student Association Travel Award,</b> <i>for IC2S2 2022</i>	\$ 400
	<b>Institute for Humane Studies Hayek Travel Award,</b> <i>for CSH Vienna International Spring School on Social Complexity</i>	\$ 800
	<b>UC Merced Graduate Fellowship Incentive Award,</b> <i>for External Grant Applications</i>	\$ 200
2016	<b>TAMU Department of Anthropology Pilot Research Funding Award ,</b> <i>for Ultrasonic Communication in Bornean Tarsiers</i>	\$ 2,400
	<b>Murray &amp; Celeste Fasken Chair in Liberal Arts Research Award,</b> <i>for Ultrasonic Communication in Bornean Tarsiers</i>	\$ 500
2015	<b>ACC Undergraduate Collaborative Summer Research Award,</b> <i>for Anti-Predator Behaviors in Nocturnal Strepsirrhines</i>	\$ 5,000

## Teaching Experience

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Spring '24	<b>Modeling Social Behavior,</b> Teaching Assistant
Fall '23	<b>Introduction to Cognitive Science,</b> Teaching Assistant
Spring '23	<b>Senior Thesis Writing Course,</b> Teaching Assistant
Fall '22	<b>Language and Linguistics,</b> Teaching Assistant
Spring '21	<b>Philosophy of Cognitive Science,</b> Teaching Assistant
Fall '20	<b>Introduction to Cognitive Science,</b> Teaching Assistant
Spring '18	<b>Introduction to Anthropology,</b> Head Teaching Assistant
Fall '17	<b>Introduction to Anthropology,</b> Teaching Assistant
Spring '17	<b>Peoples and Cultures of the World,</b> Teaching Assistant
Fall '16	<b>Introduction to Anthropology,</b> Teaching Assistant

## Outreach & Professional Development

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### WORKSHOPS & TRAINING

- 2024 **\*Institute for Humane Studies**, Emergence of Group Knowledge in Social Systems: Complexity, Synergy, and Innovation in Social Groups
- \*Santa Fe Institute**, Assessing Representation in Minds and Artificial Systems Workshop
- 2023 **Diverse Intelligences Summer Institute (DISI)**, University of St. Andrews
- Santa Fe Institute**, Complexity-GAINS International Summer School on Intelligence and Representation
- Santa Fe Institute**, Collective Intelligence Short Course
- Santa Fe Institute**, Information Architectures as Sociotechnical Competitions Workshop
- Institute for Humane Studies**, A Responsible Singularity: Tech Ethics and Unpredictable Change Workshop
- 2022 **Santa Fe Institute**, Complexity-GAINS International Summer School on Disintegration of Societies
- Complexity Science Hub Vienna**, International Spring School on Social Complexity
- Institute for Progress**, Economics of Ideas, Science, and Innovation PhD Course
- 2021 **National Science Foundation**, Societal Shock Resilience Workshop
- 2020 **Santa Fe Institute**, Evolution of Collective Computational Abilities of (Pre)Historical Societies Workshop

*\*Serving as organizer*

### SERVICE POSITIONS

- 2021- **Graduate Student Mentor**, Cognitive Science Student Association at UC Merced
- Campus Representative**, California Workshop on Evolution Social Sciences
- Twitter Administrator**, UC Merced Department of Cognitive and Information Sciences
- 2022-23 **Senior Organizer**, California Workshop on Evolution Social Sciences
- 2021-22 **Junior Organizer**, California Workshop on Evolution Social Sciences
- 2016-18 **Coordinator**, Texas A&M Department of Anthropology Graduate-Undergraduate Mentorship Program
- Mentor**, Texas A&M Department of Anthropology Graduate-Undergraduate Mentorship Program
- Mentor**, Texas A&M GLBT+ Mentorship Program

### SELECTED MEDIA COVERAGE

*The Jim Rutt Show*: Innovation-Facilitating Networks Create Inequality (12/19/2023)  
*The Guardian*: Gaga for goo goo: Wellington named the global capital of baby talk (07/22/2022)  
*New York Times*: Front cover, 'Parentese' Is Truly a Lingua Franca, Global Study Finds (07/25/2022)  
*The Today Show*: Baby Talk is Universal (07/25/2022)  
*NPR, All Things Considered*: The science is in: Everyone recognizes and uses baby talk with infants (07/31/2022)  
*NPR, Goats and Soda*: Scholars confirm what it'sy bitsy babies around the world already know (08/14/2022)  
*Every Little Thing Podcast*: Why do we baby talk? (09/26/2022)

### PEER REVIEW

PNAS Nexus  
Proceedings of the Royal Society B: Biological Sciences  
Developmental Science  
Evolution and Human Behavior  
Child Development  
Royal Society Open Science  
Behavioral Ecology  
Humanities and Social Sciences Communications  
Cognition and Emotion  
Evolutionary Human Sciences

## PROFESSIONAL MEMBERSHIPS

The Polanyi Society  
Cultural Evolution Society  
Long Now Foundation Member #11096  
Human Behavior and Evolution Society

## PROFICIENCIES

Languages: English (native), German (intermediate)  
Programming: Python, R, NetLogo, MATLAB  
Skills: Agent-based models, networks, bioacoustics, web scraping, data visualization