A. Zeynep Enkavi

Assistant Professor of Integrated Sciences: Neuroscience, Claremont McKenna College
888 N Columbia Ave, Claremont, CA 91711
zenkavi@cmc.edu zenkavi 0000-0001-7040-3620 zenkavi.github.io/

Academic Appointments

Claremont McKenna College

Assistant Professor of Integrated Sciences: Neuroscience 2024-
Kravis Department of Integrated Sciences

California Institute of Technology

Visiting Associate 2024-26

California Institute of Technology

Postdoctoral Scholar 2019-24
Rangel Neuroeconomics Lab
Adviser: Antonio Rangel

Columbia Business School

Lab Manager 2012-14
Center for Decision Sciences
Advisers: Eric J. Johnson, Elke U. Weber

Education

Stanford University

Ph.D. in Psychology 2019
Concentration: Neuroscience
Adviser: Russell A. Poldrack

University of Pennsylvania

B.A. in Cognitive Science, German Studies 2012
Minor: Science, Technology and Society
Adviser: Joseph W. Kable

Publications

Citations: 1320 | h-index: 9 | i10-index: 9

Peer-reviewed

1. Bissett, P. G., Eisenberg, I. W., Shim, S., Rios, J. A. H., Jones, H. M., Hagen, M. P., **Enkavi, A. Z.**, Li, J. K., Mumford, J. A., MacKinnon, D. P., Marsch, L. A., & Poldrack, R. A. (2024)

Cognitive tasks, anatomical MRI, and functional MRI data evaluating the construct of self-regulation. *Scientific Data*, 11 (809), 1-15.

2. Kliemann, D., Armstrong, T., Galdi, P., Kahn, D., Rusch, T., **Enkavi, A. Z.**, Liang, D., Lograsso, S., Zhu, W., Yu, R., Nair, R., Paul, L., Tyszka, J. M., Adolphs, R. (2022) Caltech Conte Center - A multimodal data resource for exploring social cognition and decision-making. *Scientific Data*, 9 (1), 1-15.

3. **Enkavi, A. Z.**, Poldrack, R. A. (2021). Implications of the lacking relationship between cognitive task and self report measures for psychiatry. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 6 (7), 670-672.

4. Mazza, G. L., Smyth, H. L., Bissett, P. G, Canning, J. R., Eisenberg, I. W., **Enkavi, A. Z.**, Gonzalez, O., Kim, S. J., Metcalf, S. A., Muniz, F., Pelham III, W. E., Scherer E. A., Valente, M. J., Xie, H., Poldrack, R. A., Marsch, L. A., MacKinnon, D. P. (2021). Correlation Database of 60 Cross-Disciplinary Surveys and Cognitive Tasks Assessing Self-Regulation. *Journal of Personality Assessment*, 103 (2), 238-245.

5. **Enkavi, A. Z.**, Eisenberg, I. W., Bissett, P. G., Mazza, G. L., MacKinnon, D. P., Marsch, L. A., & Poldrack, R. A. (2019). Reply to Friedman and Banich: Right measures for the research question. *Proceedings of the National Academy of Sciences*, 116 (49), 24398-24399.

6. Eisenberg, I. W., Bissett, P. G., **Enkavi, A. Z.**, Li, J., MacKinnon, D. P., Marsch, L. A., & Poldrack, R. A. (2019). Uncovering the structure of self-regulation through data-driven ontology discovery. *Nature communications*, 10 (1), 2319.

7. **Enkavi, A. Z.**, Eisenberg, I. W., Bissett, P. G., Mazza, G. L., MacKinnon, D. P., Marsch, L. A., & Poldrack, R. A. (2019). Large-scale analysis of test–retest reliabilities of self-regulation measures. *Proceedings of the National Academy of Sciences*, 116 (12), 5472-5477.

8. Eisenberg, I. W., Bissett, P. G., Canning, J. R., Dallery, J., **Enkavi, A. Z.**, Whitfield-Gabrieli, S., … & Kim, S. J. (2018). Applying novel technologies and methods to inform the ontology of self-regulation. *Behaviour research and therapy*, 101, 46-57.

9. **Enkavi, A. Z.**, Weber, B., Zweyer, I., Wagner, J., Elger, C. E., Weber, E. U., & Johnson, E. J. (2017). Evidence for hippocampal dependence of value-based decisions. *Scientific reports*, 7 (1), 17738.

10. Sochat, V. V., Eisenberg, I. W., **Enkavi, A. Z.**, Li, J., Bissett, P. G., & Poldrack, R. A. (2016). The experiment factory: standardizing behavioral experiments. *Frontiers in psychology*, 7, 610.

11. Li, Y., Gao, J., **Enkavi, A. Z.**, Zaval, L., Weber, E. U., & Johnson, E. J. (2015). Sound credit scores and financial decisions despite cognitive aging. *Proceedings of the National Academy of Sciences*, 112 (1), 65-69.

In preparation

Enkavi, A. Z., Lombardi, G., Hare, T., Rangel, A. Human simple choice in non-human experiments: Differences in value representations during decisions between familiar or novel items.

Enkavi, A. Z., Goldman, J., Yang, L., Rangel, A. aDDM-Toolbox: Estimating time-varying drift rates with Julia and GPUs.

Enkavi, A. Z., Schroder, E., Goldman, J., Yang, L., Rangel, A. A meta-analytic review of attentional discounting effects in simple value-based choice.

Enkavi, A. Z., Tavares, G., Rangel, A. Choosing between bundles of described and experienced risks.

Enkavi, A. Z., Helfinstein, S., Poldrack, R. A. Statistically identical but cognitively different models of risky behavior during adolescence.

Invited Talks

NIMH RDoC Roundtable (Virtual)	2022
Cognitive Sciences Colloquium, UC Irvine (Virtual)	2021
Cognitive and Neuroscience Seminar Series, Stanford	2018

Conference presentations

Talks

Enkavi, A. Z. (2023), "Human simple choice in a non-human primate paradigm", Interdisciplinary Symposium on Decision Neuroscience, Temple University.

Enkavi, A. Z. (2023), "Human simple choice in a non-human primate paradigm", Social and Decision Neuroscience Symposium Series, Caltech.

Enkavi, A. Z. (2015), "Preference consistency relies on hippocampal function: Evidence from mediotemporal lobe epilepsy", Interdisciplinary Symposium on Decision Neuroscience, MIT.

Posters

Enkavi, A. Z., Lombardi, G., Hare, T., Rangel, A. "Human simple choice in non-human experiments." 2023. Conference on Cognitive Computational Neuroscience, Oxford, UK.

Enkavi, A. Z., Tavares, G., Rangel, A. "Choice between multi-attribute and multi-modal uncertainties" 2022. Society for Neuroeconomics Annual Meeting, Arlington, VA.

Enkavi, A. Z., Tavares, G., Rangel, A. "Choosing between bundles of described and experienced risks" 2022. The Neurobiology of Reward And Decision-Making (II), Lake Arrowhead, California.

Enkavi, A. Z., Eisenberg, I. W., Bissett, P. G., Mazza, G. L, MacKinnon, D. P., Marsch, L. A., Poldrack, R. A., "A large scale analysis of cognitive task measures of self-regulation" 2018. Society for Neuroeconomics Annual Meeting, Philadelphia, Pennsylvania.

Enkavi, A. Z., Eisenberg, I. W., Bissett, P. G., Mazza, G. L, MacKinnon, D. P., Marsch, L. A., Poldrack, R. A., "A large scale analysis of test-retest reliabilities of self-regulation measures" 2017. Society of Judgment and Decision Making Annual Meeting, Vancouver, Canada.

Enkavi, A. Z., Eisenberg, I. W., Bissett, P. G., Mazza, G. L, MacKinnon, D. P., Marsch, L. A., Poldrack, R. A., "A large scale analysis of test-retest reliabilities of self-regulation measures" 2017. Society for Neuroeconomics Annual Meeting, Toronto, Canada.

Enkavi, A. Z., McClure, S. M, "Beyond Delay Discounting: Intertemporal Choice Between Non-Unitary Rewards" 2015. Society of Judgment and Decision Making Annual Meeting, Chicago, Illinois.

Enkavi, A. Z., McClure, S. M, "Beyond Delay Discounting: Intertemporal Choice Between Non-Unitary Rewards" 2015 Society for Neuroeconomics Annual Meeting, Miami, Florida.

Enkavi, A. Z., Gao, J., Li, Y., Johnson E. J., Weber, E. U. What Measures of Risk Attitude Predict Real World Risk Taking? 2014. Society of Judgment and Decision Making Annual Meeting, Long Beach, California.

Enkavi, A. Z., Weber, B., Zweyer, I., Wagner, J., Elger, C. E., Weber, E. U., Johnson, E. J. Preference consistency relies on hippocampal function: Evidence from mediotemporal lobe epilepsy. 2014. Society of Judgment and Decision Making Annual Meeting, Long Beach, California.

Kazinka, R., Enkavi, A. Z., Vo, K., Kable, J. W. Individual differences in the Asymmetric Dominance Effect. 2014. Society for Neuroeconomics Annual Meeting, Miami, Florida.

Enkavi, A. Z., Gao, J., Li, Y., Zaval, L., Johnson E. J., Weber, E. U. Neurons die, not knowledge: Domain knowledge compensates for declining cognitive ability in financial decision-making. 2013. Society of Judgment and Decision Making Annual Meeting, Toronto, Canada.

Honors and Awards

Penn World Scholars 2008-12
University of Pennsylvania

Erich Friedmann Memorial Prize 2012
University of Pennsylvania

Daniel B Shumway Prize 2009
University of Pennsylvania

Training Courses Attended

Evidence-Based Undergraduate STEM Teaching 2023
First Year Faculty Teaching Academy 2023
Neuromatch Academy 2020
OHBM: Fundamental Concepts and Methods in Network Neuroscience 2020
OHBM Brainhack hackathon 2018
SRNDNA computational modeling workshop for Decision Neuroscience and Aging 2015

Teaching and Mentorship

Claremont McKenna College

SCI010: Codes of Life, Instructor of Record
F'24, S'25

SCI050: Computing for Scientific Discovery, Instructor of Record
S'26

Stanford University

Brain and Decision Making, Teaching Assistant 2018
Introduction to Statistical Methods, Coding assistance 2018
Introduction to Learning and Memory, Teaching Assistant 2016

Introduction to Cognitive Neuroscience, Teaching Assistant 2016
Psych One Teaching Fellow 2015-17

Undergraduate Research Mentoring

Ulas Ayyilmaz, Pomona College 2025
Brayden Chien, Claremont McKenna College 2024
Allison Rudolph, Claremont McKenna College 2024
Jacob Goldman, Caltech 2023-24
Lynn Yang, Caltech 2023
Jordan Threat, Caltech 2023
Carolina Lopez, Caltech 2023
Hanna Park, Caltech 2023
Omer Ekin, Tufts University 2018
Vinh Ton, Stanford University 2016-18
Dimitrios Konstantellos, MIT 2017
Brian Wu, University of California, Berkeley 2016
Andrea Bell, Columbia University 2014
Joachim Talloen, Rutgers University 2014
Tae Ho Kim, University of Chicago 2013

Service

Claremont McKenna College

Neuroscience Search Committee, Kravis Department of Integrated Sciences 2024

California Institute of Technology

Caltech Postdoc Association Division co-representative 2022-24

Stanford University

Graduate student cohort co-representative 2014-19
Graduate student interview weekend co-organizer 2016
Alumni interviewer, University of Pennsylvania 2014-18

Ad hoc Reviewer

Behavior Research Methods
Biological Psychiatry
Cerebral Cortex
Communications Psychology
Computational Psychiatry
Journal of Neuroscience, Psychology and Economics
Nature
Nature Human Behaviour
NeuroImage
Neuropsychopharmacology
Trends in Cognitive Sciences

References

Antonio Rangel, Ph.D.
Bing Professor of Neuroscience, Behavioral Biology, and Economics; Head Faculty in Residence
California Institute of Technology
rangel@hss.caltech.edu

Russell A. Poldrack, Ph.D.
Albert Ray Lang Professor of Psychology
Stanford University
poldrack@stanford.edu

Bridgette Martin-Hard, Ph.D. *(Teaching)*
Professor of the Practice of Psychology and Neuroscience
Duke University
bridgette.hard@duke.edu