A. Zeynep Enkavi

Assistant Professor of Integrated Sciences: Neuroscience, Claremont McKenna College
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Academic Appointments

Claremont McKenna College 2024-
Kravis Department of Integrated Sciences
Assistant Professor of Integrated Sciences: Neuroscience

California Institute of Technology 2024-26
Visiting Associate

California Institute of Technology 2019-24
Rangel Neuroeconomics Lab
Postdoctoral Scholar
Adviser: Antonio Rangel

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

Education

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

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

Publications

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

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

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]

Codes of Life, Instructor of Record 2024

[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

Lynn Yang, Caltech 2023
Jacob Goldman, Caltech 2023-24
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

Caltech Postdoc Association Division co-representative, Caltech	2022-24
Graduate student cohort co-representative, Stanford University	2014-19
Graduate student interview weekend co-organizer, Stanford University	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. | California Institute of Technology	rangel@hss.caltech.edu
Russell A. Poldrack, Ph.D. | Stanford University	poldrack@stanford.edu
Bridgette Martin-Hard, Ph.D. | Duke University	bridgette.hard@duke.edu
Eric J. Johnson, Ph.D. | Columbia Business School	ejj3@gsb.columbia.edu
Elke U. Weber, Ph.D. | Princeton University	eweber@princeton.edu
Joseph W. Kable, Ph.D. | University of Pennsylvania	kable@psych.upenn.edu