



Ehsan Adeli

Assistant Professor (Research) of Psychiatry and Behavioral Sciences (Public Mental Health and Populations Sciences) and, by courtesy, of Computer Science and of Biomedical Data Science

CONTACT INFORMATION

- **Administrative Contact**

Merryn Daniel - Lab Manager and Research Coordinator

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Bio

BIO

With a Ph.D. in artificial intelligence and computer vision and postgraduate training in biomedical imaging & computational neuroscience, I solve critical problems in healthcare and neuroscience.

My research group focuses on developing Translational Artificial Intelligence (AI) algorithms in medicine and mental health. My work involves the automatic analysis of human activities and behaviors from videos, connecting how humans perform actions to the brain by analyzing magnetic resonance images (MRIs). By exploring explainable machine learning algorithms, I aim to uncover the underlying factors of neurodegenerative and neuropsychiatric diseases and their impact on everyday life.

My research concentrates on and connects two main areas: digital humans and human neuroscience. I analyze 3D motion, actions, and behaviors using various human sensing technologies, such as video and sensory data. Additionally, I employ clinical and cognitive tests, as well as neuroimaging modalities like MRIs, to explore brain function and neural processes. Integrating these technologies to enhance clinical applications and provide deeper insights into the complexities of human behavior and brain function, my group develops world models for neuroscience.

ACADEMIC APPOINTMENTS

- Assistant Professor (Research), Psychiatry and Behavioral Sciences
- Assistant Professor (Research) (By courtesy), Computer Science
- Assistant Professor (Research) (By courtesy), Department of Biomedical Data Science
- Member, Bio-X
- Faculty Affiliate, Institute for Human-Centered Artificial Intelligence (HAI)
- Member, Wu Tsai Human Performance Alliance
- Member, Wu Tsai Neurosciences Institute

ADMINISTRATIVE APPOINTMENTS

- Director of AI/Innovation in Precision Mental Health, Department of Psychiatry and Behavioral Sciences, (2024- present)

- Partnership in AI-Assisted Care Team Science Leader, Division of Primary Care and Population Health in the Clinical Excellence Research Center (CERC), (2023- present)
- Associate Editor, Medical Image Analysis, An official journal of the MICCAI Society, (2025- present)
- Associate Editor, IEEE Transactions on Medical Imaging, (2025- present)
- Associate Editor, International Journal of Computer Vision (IJCV), (2023- present)
- Associate Editor, IEEE Journal of Biomedical and Health Informatics, (2020-2024)
- Associate Editor, Journal of Ambient Intelligence and Smart Environments, (2019-2024)

HONORS AND AWARDS

- 2023 Chairman's Award for Educational Excellence, Stanford School of Medicine, Department of Psychiatry and Behavioral Sciences (2023)
- Jaswa Innovator Award, Stanford School of Medicine (2022-2024)
- Faculty Professional & Leadership Award, Department of Psychiatry and Behavioral Sciences, Stanford School of Medicine (2022)
- Senior Member, IEEE (2021-Now)
- REC Fellow, Stanford University Alzheimer's Disease Research Center (ADRC) (2020-2022)
- Innovator Award 2021, Stanford University School of Medicine Department of Psychiatry & Behavioral Sciences (2020-2021)
- Young Investigator Travel Award, Medical Image Computing and Computer Assisted Interventions (MICCAI) (2018)
- NIH F32 Fellowship Award, NIAAA (2018-2019)

PROFESSIONAL EDUCATION

- Postdoctoral Research Associate, University of North Carolina at Chapel Hill , Machine Learning and Medical Imaging (2017)
- Graduate Research Scholar, Carnegie Mellon University , Computer Vision (2012)

LINKS

- My Homepage: <https://stanford.edu/~eadeli/>
- My Lab Website (STAI Lab): <https://stai.stanford.edu/>
- AI for Mental Health Initiative: <https://ai4mh.stanford.edu>
- Computational Neuroscience Lab: <https://cnslab.stanford.edu>
- Stanford Vision and Learning Lab: <https://svl.stanford.edu>
- Cognitive Aging Lab: <https://cogtlab.com>
- Stanford AGILE Consortium: <https://frailty.stanford.edu/>
- Stanford Partnership in AI-Assisted Care: <https://aicare.stanford.edu>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research group focuses on developing Translational Artificial Intelligence (AI) algorithms in medicine and mental health, leveraging recent advancements in AI, computer vision, ambient intelligence, and computational neuroscience. My work involves the automatic analysis of human activities and behaviors from videos, connecting how humans perform actions to the brain by analyzing magnetic resonance images (MRIs). By exploring explainable machine learning algorithms, I aim to uncover the underlying factors of neurodegenerative and neuropsychiatric diseases and their impact on everyday life.

My research concentrates on and connects two main areas: digital humans and human neuroscience. I analyze 3D motion, actions, and behaviors using various human sensing technologies, such as video and sensory data. Additionally, I employ clinical and cognitive tests, as well as neuroimaging

modalities like MRIs, to explore brain function and neural processes. Integrating these technologies to enhance clinical applications and provide deeper insights into the complexities of human behavior and brain function, my group develops world models for neuroscience.

CLINICAL TRIALS

- Assessing Cognitive Decline at Home, Recruiting
- An Objective Assessment Tool for Evaluating Functioning in Older Adults, Not Recruiting

Teaching

COURSES

2025-26

- AI-Assisted Care: BIOE 277, CS 337, MED 277, PSYC 278 (Aut)
- Deep Learning for Computer Vision: CS 231N (Spr)

2024-25

- AI-Assisted Care: CS 337, MED 277 (Aut)
- Artificial Intelligence in Medicine and Healthcare Ventures: MED 180, PSYC 180 (Win)
- Deep Learning for Computer Vision: CS 231N (Spr)
- Machine Learning for Neuroimaging: BIODS 227, PSYC 121, PSYC 221 (Aut)

2023-24

- AI-Assisted Care: CS 337, MED 277 (Aut)
- Deep Learning for Computer Vision: CS 231N (Spr)
- Machine Learning for Neuroimaging: BIODS 227, PSYC 121, PSYC 221 (Aut)

2022-23

- AI-Assisted Care: MED 277 (Aut)
- Artificial Intelligence in Medicine and Healthcare Ventures: MED 180 (Spr)
- Artificial Intelligence in Medicine and Healthcare Ventures: PSYC 180 (Spr)
- Current Topics in Machine Learning for Neuroimaging: PSYC 121 (Aut)
- Current Topics in Machine Learning for Neuroimaging: PSYC 221 (Aut)

STANFORD ADVISEES

Med Scholar Project Advisor

Anson Zhou

Doctoral Dissertation Reader (AC)

Cem Gokmen, Joy Hsu, Ashwin Kumar, Shubo Yang

Orals Chair

Maya Varma

Postdoctoral Faculty Sponsor

Gustavo Chau Loo Kung, Yang Liu, Akshay Paruchuri, Narayan Schuetz, Jiyao Wang, Juze Zhang, Yue Zhao

Orals Evaluator

Cristobal Eyzaguirre, Cem Gokmen, Joy Hsu

Doctoral Dissertation Advisor (AC)

Favour Nerrise, Karan Singh

Master's Program Advisor

Peter Alisky, Nicholas Allen, Kunal Arora, Cherry Chen, Kuo-Han Hung, Dev Jayram, Abhinav Sattiraju, Yalcin Tur, Merritt Vassallo, Katherine Xu, Patrick Zakrzewski

Doctoral Dissertation Co-Advisor (AC)

Zane Durante, Ridvan Yesiloglu

Doctoral (Program)

Jessica Brown, Fangrui Huang, Bailey Trang Nguyen, Chaitanya Patel, Adam Sun, Heng Yu

Postdoctoral Research Mentor

Xinliang Zhou

Publications

PUBLICATIONS

- **Cycle Diffusion Model for Counterfactual Image Generation.** *Predictive Intelligence in Medicine. PRIME (Workshop)*
Huang, F., Wang, A., Li, B., Trang, B., Yesiloglu, R., Hua, T., Peng, W., Adeli, E.
2026; 16164: 173-185
- **Neural Autoregressive Modeling of Brain Aging.** *Deep generative models : 5th MICCAI workshop, DGM4MICCAI 2025, held in conjunction with MICCAI 2025, Daejeon, South Korea, September 23, 2025, Proceedings. DGM4MICCAI (Workshop) (5th : 2025 : Taejon-si, Korea)*
Yesiloglu, R., Peng, W., Islam, M. T., Adeli, E.
2026; 16128: 341-350
- **Latent Causal Modeling for 3D Brain MRI Counterfactuals.** *Deep generative models : 5th MICCAI workshop, DGM4MICCAI 2025, held in conjunction with MICCAI 2025, Daejeon, South Korea, September 23, 2025, Proceedings. DGM4MICCAI (Workshop) (5th : 2025 : Taejon-si, Korea)*
Peng, W., Xia, T., De Sousa Ribeiro, F., Bosschieter, T., Adeli, E., Zhao, Q., Glocker, B., Pohl, K. M.
2026; 16128: 192-201
- **WASABI: A Metric for Evaluating Morphometric Plausibility of Synthetic Brain MRIs.** *Medical image computing and computer-assisted intervention : MICCAI ... International Conference on Medical Image Computing and Computer-Assisted Intervention*
Jafrasteh, B., Peng, W., Wan, C., Luo, Y., Adeli, E., Zhao, Q.
2026; 15961: 684-694
- **Generating Novel Brain Morphology by Deforming Learned Templates.** *Medical image computing and computer-assisted intervention : MICCAI ... International Conference on Medical Image Computing and Computer-Assisted Intervention*
Wang, A. Q., Huang, F., Trang, B., Peng, W., Abbasi, M., Pohl, K. M., Sabuncu, M. R., Adeli, E.
2026; 15961: 207-217
- **A framework of digital biomarkers for neurodegenerative diseases.** *Nature reviews bioengineering*
Nerrise, F., Schütz, N., Zhao, Q., Gould, C., Milstein, A., Schulman, K., Henderson, V. W., Landay, J., Fei-Fei, L., Lin, F. V., Adeli, E.
2026
- **A framework of digital biomarkers for neurodegenerative diseases** *NATURE REVIEWS BIOENGINEERING*
Nerrise, F., Schutz, N., Zhao, Q., Gould, C., Milstein, A., Schulman, K., Henderson, V. W., Landay, J., Fei-Fei, L., Lin, F., Adeli, E.
2026
- **Resting-state fMRI foundation models enable robust and generalizable latent neural target discovery in cognitive aging interventions.** *bioRxiv : the preprint server for biology*
Zhou, X., Ai, M., Adeli, E., Zhang, Y., Liu, Y. M., Vankee-Lin, F.
2026

- **Divergent Pathways Taken in Adolescence Predict Embracing or Resisting Moderate to Heavy Drinking in Young Adulthood.** *Biological psychiatry. Cognitive neuroscience and neuroimaging*
González, C., Nguyen-Louie, T. T., Sullivan, E. V., Pfefferbaum, A., Klo, J., Dehoney, J., Zhao, Q., Adeli, E., Tapert, S. F., Pohl, K. M.
2026
- **EchoAtlas: A Conversational, Multi-View Vision-Language Foundation Model for Echocardiography Interpretation and Clinical Reasoning.** *medRxiv : the preprint server for health sciences*
Chao, C. J., Asadi, M., Li, L., Ramasamy, G., Pecco, N., Wang, Y. C., Poterucha, T., Arsanjani, R., Kane, G., Oh, J. K., Banerjee, I., Langlotz, C., Fei-Fei, et al
2026
- **SocialGen: Modeling Multi-Human Social Interaction with Language Models.** *Proceedings. International Conference on 3D Vision*
Yu, H., Zhang, J., Chen, C., Xiang, T., Fang, Y., Niebles, J. C., Adeli, E.
2026; 2026: 1844-1860
- **Designing AI-Enabled Video Monitoring Clinician Dashboard for Neuropsychiatric Symptoms: A Survey of User Needs.** *The American journal of geriatric psychiatry. Open science, education, and practice*
Gould, C. E., Davis, C. H., Schüz, N., Lin, F. V., Samus, Q. M., Terada, T., Daniel, M., Tee, S., Adeli, E.
2026; 9: 46-51
- **Cycle Diffusion Model for Counterfactual Image Generation**
Huang, F., Wang, A., Li, B., Trang, B., Yesiloglu, R., Hua, T., Peng, W., Adeli, E.
edited by Rekik, Adeli, E., Park, S. H., Cintas, C.
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- **WASABI: A Metric for Evaluating Morphometric Plausibility of Synthetic Brain MRIs**
Jafrasteh, B., Peng, W., Wan, C., Luo, Y., Adeli, E., Zhao, Q.
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SPRINGER INTERNATIONAL PUBLISHING AG.2026: 684-694
- **Generating Novel Brain Morphology by Deforming Learned Templates**
Wang, A. Q., Huang, F., Trang, B., Peng, W., Abbasi, M., Pohl, K., Sabuncu, M. R., Adeli, E.
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SPRINGER INTERNATIONAL PUBLISHING AG.2026: 207-217
- **Neural Autoregressive Modeling of Brain Aging**
Yesiloglu, R., Peng, W., Islam, M., Adeli, E.
edited by Mukhopadhyay, A., Oksuz, Engelhardt, S., Mehrof, D., Yuan, Y.
SPRINGER INTERNATIONAL PUBLISHING AG.2026: 341-350
- **Person-Centered Noninvasive Brain Stimulation for Aging-Related Neurological and Mental Disorders: A Multi-Dimensional Framework for Designing Protocols.** *Neuroscience and biobehavioral reviews*
Zhou, S., Keller, C. J., Chen, N. F., Adeli, E., Lin, F. V.
2025: 106528
- **EchoGraph system for automated quality assessment of echocardiography reports.** *NPJ digital medicine*
Chao, C. J., Delbrouck, J. B., Asadi, M., Banerjee, I., Farina, J. M., Galasso, F., Mahmoud, A. K., Abbas, M. T., Wang, Y. C., Arsanjani, R., Kane, G. C., Oh, J. K., Erickson, et al
2025
- **Brain-Cognition Fingerprinting via Graph-GCCA with Contrastive Learning.** *Machine learning in clinical neuroimaging : 7th international workshop, MLCN 2024, held in conjunction with MICCAI 2024, Marrakesh, Morocco, October 10, 2024, proceedings. MLCN (Workshop) (7th : 2024 : Marrakesh, Morocco)*
Wang, Y., Peng, W., Zhang, Y., Adeli, E., Zhao, Q., Pohl, K. M.
2025; 15266: 24-34
- **Discovering Latent Graphs with GFlowNets for Diverse Conditional Image Generation.** *Advances in neural information processing systems*
Trang, B., Saremi, P., Wang, A. Q., Huang, F., TehraniNasab, Z., Kumar, A., Arbel, T., Fei-Fei, L., Adeli, E.
2025; 38: 104553-104599

- **Guest Editorial: Applications of Intelligent Environments to Health** *IEEE JOURNAL OF BIOMEDICAL AND HEALTH INFORMATICS*
Hornos, M. J., Adeli, E., Zamudio, V. M.
2025; 29 (12): 9195-9197
- **A multi-dimensional transfer learning framework for studying reward-guided behaviors across species** *NATURE MENTAL HEALTH*
Liu, Y., Turnbull, A., Adeli, E., Zhao, G., Wang, K., Vankee-Lin, F.
2025
- **Neurocognitive Latent Space Regularization for Multi-Label Diagnosis from MRI.** *Predictive Intelligence in Medicine. PRIME (Workshop)*
Manasseh-Lewis, J., Godoy, F., Peng, W., Paul, R., Adeli, E., Pohl, K.
2025; 15155: 185-195
- **Spectral Graph Sample Weighting for Interpretable Sub-cohort Analysis in Predictive Models for Neuroimaging.** *Predictive Intelligence in Medicine. PRIME (Workshop)*
Paschali, M., Jiang, Y. H., Siegel, S., Gonzalez, C., Pohl, K. M., Chaudhari, A., Zhao, Q.
2025; 15155: 24-34
- **Regularized CCA identifies sex-specific brain-behavior associations in adolescent psychopathology.** *Translational psychiatry*
Milecki, L., Gonzalez, C., Adeli, E., Nooner, K. B., Sabuncu, M. R., Kuceyeski, A., Zhao, Q.
2025; 15 (1): 405
- **Repurposing 2D Diffusion Models with Gaussian Atlas for 3D Generation.** ... *IEEE International Conference on Computer Vision workshops. IEEE International Conference on Computer Vision*
Xiang, T., Li, K., Long, C., Hane, C., Guo, P., Delp, S., Adeli, E., Fei-Fei, L.
2025; 2025: 16492-16502
- **Personalized cognitive enhancement for older adults: An aging-friendly closed-loop human-machine interface framework.** *Ageing research reviews*
Zhou, S., Liu, Y., Turnbull, A., Tapparello, C., Adeli, E., Lin, F. V.
2025: 102877
- **Statistical variability in comparing accuracy of neuroimaging based classification models via cross validation.** *Scientific reports*
Jafarsteh, B., Adeli, E., Pohl, K. M., Kuceyeski, A., Sabuncu, M. R., Zhao, Q.
2025; 15 (1): 28745
- **Efficient one-shot federated learning on medical data using knowledge distillation with image synthesis and client model adaptation.** *Medical image analysis*
Kang, M., Chikontwe, P., Kim, S., Jin, K. H., Adeli, E., Pohl, K. M., Park, S. H.
2025; 105: 103714
- **Confounder-Free Continual Learning via Recursive Feature Normalization.** *Proceedings of machine learning research*
Shah, Y., Gonzalez, C., Abbasi, M. H., Zhao, Q., Pohl, K. M., Adeli, E.
2025; 267: 54112-54142
- **Confounder-Free Continual Learning via Recursive Feature Normalization.** *Proceedings of machine learning research*
Shah, Y., Gonzalez, C., Abbasi, M. H., Zhao, Q., Pohl, K. M., Adeli, E.
2025; 267: 54112-54142
- **Artificial Intelligence in Obsessive-Compulsive Disorder: A Systematic Review.** *Current treatment options in psychiatry*
Kim, J., Pacheco, J. P., Golden, A., Aboujaoude, E., van Roessel, P., Gandhi, A., Mukunda, P., Avanesyan, T., Xue, H., Adeli, E., Kim, J. P., Saggari, M., Stirman, et al
2025; 12 (1): 23
- **Foundation versus domain-specific models for left ventricular segmentation on cardiac ultrasound.** *NPJ digital medicine*
Chao, C. J., Gu, Y. R., Kumar, W., Xiang, T., Appari, L., Wu, J., Farina, J. M., Wraith, R., Jeong, J., Arsanjani, R., Kane, G. C., Oh, J. K., Langlotz, et al
2025; 8 (1): 341
- **Identifying unique pathways towards heavy alcohol drinking during adolescence**
Gonzalez, C., Nguyen-Louie, T., Sullivan, E., Pfefferbaum, A., Zhao, Q., Adeli, E., Tapert, S., Pohl, K.

WILEY.2025

- **Latent Drifting in Diffusion Models for Counterfactual Medical Image Synthesis.** *Proceedings. IEEE Computer Society Conference on Computer Vision and Pattern Recognition*
Yeganeh, Y., Farshad, A., Charisiadis, I., Hasny, M., Hartenberger, M., Ommer, B., Navab, N., Adeli, E.
2025; 2025: 7685-7695
- **The Language of Motion: Unifying Verbal and Non-verbal Language of 3D Human Motion.** *Proceedings. IEEE Computer Society Conference on Computer Vision and Pattern Recognition*
Chen, C., Zhang, J., Lakshmikanth, S. K., Fang, Y., Shao, R., Wetzstein, G., Fei-Fei, L., Adeli, E.
2025; 2025: 6200-6211
- **AdaVid: Adaptive Video-Language Pretraining.** *Conference on Computer Vision and Pattern Recognition Workshops. IEEE Computer Society Conference on Computer Vision and Pattern Recognition. Workshops*
Patel, C., Niebles, J. C., Adeli, E.
2025; 2025: 6379-6388
- **Evaluating large language models in echocardiography reporting: opportunities and challenges.** *European heart journal. Digital health*
Chao, C. J., Banerjee, I., Arsanjani, R., Ayoub, C., Tseng, A., Delbrouck, J. B., Kane, G. C., Lopez-Jimenez, F., Attia, Z., Oh, J. K., Erickson, B., Fei-Fei, L., Adeli, et al
2025; 6 (3): 326-339
- **Non-parametric prediction of brain MRI microstructure using transfer learning.** *Imaging neuroscience (Cambridge, Mass.)*
Chau Loo Kung, G., Weber, E. M., Batra, A., Ni, L., Zeineh, M., Chaudhari, A., Adeli, E., Knowles, J. K., McNab, J. A.
2025; 3
- **Non-parametric prediction of brain MRI microstructure using transfer learning** *IMAGING NEUROSCIENCE*
Kung, G., Weber, E. M. M., Batra, A., Ni, L., Zeineh, M., Chaudhari, A., Adeli, E., Knowles, J. K., McNab, J. A.
2025; 3
- **UniEgoMotion: A Unified Model for Egocentric Motion Reconstruction, Forecasting, and Generation.** *Proceedings. IEEE International Conference on Computer Vision*
Patel, C., Nakamura, H., Kyuragi, Y., Kozuka, K., Niebles, J. C., Adeli, E.
2025; 2025: 10318-10329
- **Evaluating large language models in echocardiography reporting: opportunities and challenges** *EUROPEAN HEART JOURNAL - DIGITAL HEALTH*
Chao, C., Banerjee, I., Arsanjani, R., Ayoub, C., Tseng, A., Delbrouck, J., Kane, G. C., Lopez-Jimenez, F., Attia, Z., Oh, J. K., Erickson, B., Fei-Fei, L., Adeli, et al
2025
- **Establishing Clinically Operational Domains of Multidimensional Frailty: A Consensus Approach to Improve Multidimensional Frailty Diagnosis at Point of Care.** *The Gerontologist*
Shapiro, L. M., Arya, S., Adeli, E., Fredericson, M., Kaplan, R. M., Eppler, S. L., Lorenz, K., Lorig, K., Marwell, J., Schmiesing, C., Schroeder, R., Schulman, K., Trivedi, et al
2025
- **Generating Novel Brain Morphology by Deforming Learned Templates.** *ArXiv*
Wang, A. Q., Huang, F., Trang, B., Peng, W., Abbasi, M., Pohl, K., Sabuncu, M., Adeli, E.
2025
- **Developing ICU Clinical Behavioral Atlas Using Ambient Intelligence and Computer Vision.** *NEJM AI*
Dai, W., Adeli, E., Luo, Z., Dash, D., Lakshmikanth, S., Durante, Z., Tang, P., Kaushal, A., Milstein, A., Fei-Fei, L., Schulman, K.
2025; 2 (2)
- **Communication Efficient Federated Learning for Multi-Organ Segmentation via Knowledge Distillation with Image Synthesis.** *IEEE transactions on medical imaging*
Kim, S., Park, H., Chikontwe, P., Kang, M., Jin, K. H., Adeli, E., Pohl, K. M., Park, S. H.
2025; PP
- **The Transition From Homogeneous to Heterogeneous Machine Learning in Neuropsychiatric Research** *BIOLOGICAL PSYCHIATRY: GLOBAL OPEN SCIENCE*

- Zhao, Q., Nooner, K. B., Tapert, S. F., Adeli, E., Pohl, K. M., Kuceyeski, A., Sabuncu, M. R.
2025; 5 (1)
- **SOE: SO(3)-Equivariant 3D MRI Encoding**
He, S., Paschali, M., Ouyang, J., Masood, A., Chaudhari, A., Adeli, E.
edited by Bathula, D. R., Nirmala, A. B., Dvornek, N. C., Govindarajan, S. T., Habes, M., Kumar, Nebli, A., Wolfers, T., Xiao, Y.
SPRINGER INTERNATIONAL PUBLISHING AG.2025: 68-77
 - **SpaRG: Sparsely Reconstructed Graphs for Generalizable fMRI Analysis.** *Machine learning in clinical neuroimaging : 7th international workshop, MLCN 2024, held in conjunction with MICCAI 2024, Marrakesh, Morocco, October 10, 2024, proceedings. MLCN (Workshop) (7th : 2024 : Marrakesh, Morocco)*
Gonzalez, C., Miraoui, Y., Fan, Y., Adeli, E., Pohl, K. M.
2025; 15266: 46-56
 - **The Transition From Homogeneous to Heterogeneous Machine Learning in Neuropsychiatric Research.** *Biological psychiatry global open science*
Zhao, Q., Nooner, K. B., Tapert, S. F., Adeli, E., Pohl, K. M., Kuceyeski, A., Sabuncu, M. R.
2025; 5 (1): 100397
 - **Re-thinking Temporal Search for Long-Form Video Understanding**
Ye, J., Wang, Z., Sun, H., Chandrasegaran, K., Durante, Z., Eyzaguirre, C., Bisk, Y., Niebles, J., Adeli, E., Li Fei-Fei, Wu, J., Li, M., IEEE
COMPUTER SOC
IEEE COMPUTER SOC.2025: 8579-8591
 - **Artist-Created Mesh Generation from Raw Observation**
He, Y., Kwon, Y., Cai, W., Adeli, E., IEEE COMPUTER SOC
IEEE COMPUTER SOC.2025: 2663-2668
 - **LOMM: Latest Object Memory Management for Temporally Consistent Video Instance Segmentation.** ... *IEEE International Conference on Computer Vision workshops. IEEE International Conference on Computer Vision*
Lee, S., Seo, J., Choi, M., Han, K., Jeong, J., Durante, Z., Adeli, E., Park, S. H., Im, S.
2025; 2025: 13719-13729
 - **GAMMA-PD: Graph-based Analysis of Multi-Modal Motor Impairment Assessments in Parkinson's Disease.** *Graphs in biomedical image analysis : 6th International Workshop, GRAIL 2024, held in conjunction with MICCAI 2024, Marrakesh, Morocco, October 6, 2024, Proceeding. GRAIL (Workshop) (6th : 2024 : Marrakesh, Morocco)*
Nerrise, F., Heiman, A. L., Adeli, E.
2025; 15182: 57-68
 - **Segmentation of Brain Metastases in MRI: A Two-Stage Deep Learning Approach with Modality Impact Study**
Sadegheih, Y., Merhof, D.
edited by Rekik, Adeli, E., Park, S. H., Cintas, C.
SPRINGER INTERNATIONAL PUBLISHING AG.2025: 196-206
 - **Physics-Guided Multi-view Graph Neural Network for Schizophrenia Classification via Structural-Functional Coupling**
Mazumder, B., Kanyal, A., Wu, L., Calhoun, V. D., Ye, D.
edited by Rekik, Adeli, E., Park, S. H., Cintas, C.
SPRINGER INTERNATIONAL PUBLISHING AG.2025: 61-73
 - **Neurocognitive Latent Space Regularization for Multi-label Diagnosis from MRI**
Manasseh-Lewis, J., Godoy, F., Peng, W., Paul, R., Adeli, E., Pohl, K.
edited by Rekik, Adeli, E., Park, S. H., Cintas, C.
SPRINGER INTERNATIONAL PUBLISHING AG.2025: 185-195
 - **PRISM: Progressive Restoration for Scene Graph-Based Image Manipulation**
Jahoda, P., Yeganeh, Y., Adeli, E., Navab, N., Farshad, A.
edited by DeIBue, A., Canton, C., Pont-Tuset, J., Tommasi, T.
SPRINGER INTERNATIONAL PUBLISHING AG.2025: 142-160
 - **Gene-to-Image: Decoding Brain Images from Genetics via Latent Diffusion Models**
Jeon, S., Song, Y., Kim, W.

edited by Rekik, Adeli, E., Park, S. H., Cintas, C.
 SPRINGER INTERNATIONAL PUBLISHING AG.2025: 48-60

- **SOE: SO(3)-Equivariant 3D MRI Encoding**
 He, S., Paschali, M., Ouyang, J., Masood, A., Chaudhari, A., Adeli, E.
 edited by Bathula, D. R., Nirmala, A. B., Dvornek, N. C., Govindarajan, S. T., Habes, M., Kumar, Nebli, A., Wolfers, T., Xiao, Y.
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 Zhao, Q., Nooner, K. B., Tapert, S. F., Adeli, E., Pohl, K. M., Kuceyeski, A., Sabuncu, M. R.
 2025; 5 (1): 100397
- **Medical Image Segmentation Review: The Success of U-Net.** *IEEE transactions on pattern analysis and machine intelligence*
 Azad, R., Aghdam, E. K., Rauland, A., Jia, Y., Avval, A. H., Bozorgpour, A., Karimijafarbigloo, S., Cohen, J. P., Adeli, E., Merhof, D.
 2024; 46 (12): 10076-10095
- **Clinical Manifestations.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*
 Adeli, E.
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