Stanford



Adam Pines

Postdoctoral Scholar, Psychiatry

Bio

BIO

Adam Pines, Ph.D., is a postdoctoral fellow with Drs. Anish Mitra and Nolan Williams, PhD. Adam completed his Ph.D. in Neuroscience at the University of Pennsylvania in Philadelphia. Adam's work centers on neurodevelopment and the role of hierarchical brain function in mood disorder emergence and remission.

HONORS AND AWARDS

- Walter and Idun Berry Postdoctoral Fellowship, School of Medicine (2025-)
- Merit Award, The Organization for Human Brain Mapping (2025)
- Travel Award, Society of Biological Psychiatry (2025)
- Trailblazing Trainee Award, Stanford Psychiatry and Behavioral Sciences (2024-2025)
- Dean's Fellowship, School of Medicine (2023-2024)
- NRSA F31: Personalized Mapping of Affective Lability, NIMH (2021-2022)
- Jameson-Hurvich Award in Behavioral Neuroscience, University of Pennsylvania (2021)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Pennsylvania (2022)
- PhD, University of Pennsylvania , Neuroscience (2022)
- BA, Loyola Marymount University , Psychology (2015)

STANFORD ADVISORS

- Anish Mitra, Postdoctoral Research Mentor
- Nolan Williams, Postdoctoral Faculty Sponsor

LINKS

- My personal website: https://adpines.github.io/site/

Publications

PUBLICATIONS

- **Psychedelics disrupt hierarchical cortical propagations in the default mode network of humans and mice.** *Proceedings of the National Academy of Sciences of the United States of America*
  Pines, A. R., Zhang, X., Kochalka, J., Vesuna, S. S., Kauvar, I. V., Rajasekharan, D., Reneau, T. R., Akiki, T. J., Hack, L. M., Siegel, J. S., Williams, L. M.

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- **Psychiatric Symptoms, Cognition, and Symptom Severity in Children.** *JAMA psychiatry*
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- **Highly replicable multisite patterns of adolescent white matter maturation.** *Neuron*
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- **Developmental benchmarks of executive function reveal sensitive periods for adolescent mental health** *NATURE MENTAL HEALTH*
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- **Updates From a Second Stanford Neuromodulation Therapy RCT: Efficacy and Mechanistic Insights**
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- **Highly replicable multisite patterns of adolescent white matter maturation.** *bioRxiv : the preprint server for biology*
  Meisler, S. L., Cieslak, M., Bagautdinova, J., Hendrickson, T. J., Pandhi, T., Chen, A. A., Hillman, N., Radhakrishnan, H., Salo, T., Feczko, E., Weldon, K. B., McCollum, R., Fayzullobekova, et al
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- **Sex differences in response to violence: role of salience network expansion and connectivity on depression.** *Translational psychiatry*
  Butler, E. R., Samia, N. I., Mejia, A. F., Pham, D. D., Pines, A., Nusslock, R.
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- **Reproducible sex differences in personalised functional network topography in youth.** *The British journal of psychiatry : the journal of mental science*
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- **Sex differences in response to violence: Role of salience network expansion and connectivity on depression.** *Research square*
  Butler, E. R., Samia, N., Mejia, M., Pham, D., Pines, A., Nusslock, R.

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- **Hierarchical individual variation and socioeconomic impact on personalized functional network topography in children.** *BMC medicine*
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- **Personalized brain circuit scores identify clinically distinct biotypes in depression and anxiety.** *Nature medicine*
  Tozzi, L., Zhang, X., Pines, A., Olmsted, A. M., Zhai, E. S., Anene, E. T., Chesnut, M., Holt-Gosselin, B., Chang, S., Stetz, P. C., Ramirez, C. A., Hack, L. M., Korgaonkar, et al
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- **Mapping the Neurobiological Markers of Psychopathology**
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- **Linking Individual Differences in Personalized Functional Network Topography to Psychopathology in Youth** *BIOLOGICAL PSYCHIATRY*
  Cui, Z., Pines, A. R., Larsen, B., Sydnor, V. J., Li, H., Adebimpe, A., Alexander-Bloch, A. F., Bassett, D. S., Bertolero, M., Calkins, M. E., Davatzikos, C., Fair, D. A., Gur, et al
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- **Caregiver monitoring, but not caregiver warmth, is associated with general cognition in two large sub-samples of youth** *DEVELOPMENTAL SCIENCE*
  Keller, A. S., Mackey, A. P., Pines, A., Fair, D., Feczko, E., Hoffman, M. S., Salum, G. A., Barzilay, R., Satterthwaite, T. D.
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- **An analysis-ready and quality controlled resource for pediatric brain white-matter research.** *Scientific data*
  Richie-Halford, A., Cieslak, M., Ai, L., Caffarra, S., Covitz, S., Franco, A. R., Karipidis, I. I., Kruper, J., Milham, M., Avelar-Pereira, B., Roy, E., Sydnor, V. J., Yeatman, et al
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  Xia, C., Barnett, I., Tapera, T. M., Adebimpe, A., Baker, J. T., Bassett, D. S., Brotman, M. A., Calkins, M. E., Cui, Z., Leibenluft, E., Linguiti, S., Lydon-Staley, D. M., Martin, et al
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- **Neurodevelopment of the association cortices: Patterns, mechanisms, and implications for psychopathology** *NEURON*
  Sydnor, V. J., Larsen, B., Bassett, D. S., Alexander-Bloch, A., Fair, D. A., Liston, C., Mackey, A. P., Milham, M. P., Pines, A., Roalf, D. R., Seidlitz, J., Xu, T., Raznahan, et al

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- **Sex Differences in Functional Topography of Association Networks**
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- **Pairwise maximum entropy model explains the role of white matter structure in shaping emergent co-activation states** *COMMUNICATIONS BIOLOGY*
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- **Characterizing the role of the structural connectome in seizure dynamics** *BRAIN*
  Shah, P., Ashourvan, A., Mikhail, F., Pines, A., Kini, L., Oechsel, K., Das, S. R., Stein, J. M., Shinohara, R. T., Bassett, D. S., Litt, B., Davis, K. A.
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