

CURRICULUM VITAE

Anika M. Guha, Ph.D.

UNIVERSITY OF COLORADO SCHOOL OF MEDICINE

PERSONAL HISTORY

Name: Anika M. Guha

Current Position: Assistant Professor, Department of Psychiatry
University of Colorado, Anschutz Medical Campus
anika.m.guha@cuanschutz.edu

EDUCATION AND TRAINING

Education

05/2014 Bachelor of Arts (B.A.)
Wellesley College, Wellesley, MA
Neuroscience, Psychology
Cum Laude

12/2018 Master of Arts (M.A.)
University of California, Los Angeles, Los Angeles, CA
Clinical Psychology
Advisors: Gregory A. Miller, Ph.D.; Cindy Yee-Bradbury, Ph.D.

07/2022 Doctor of Philosophy (Ph.D.)
University of California, Los Angeles, Los Angeles, CA
Clinical Psychology, Quantitative Psychology
Advisors: Gregory A. Miller, Ph.D.; Cindy Yee-Bradbury, Ph.D.

Clinical Internship

07/2021 – 07/2022 Pre-Doctoral Intern in Clinical Psychology
Greater Los Angeles VA Healthcare System, Los Angeles, CA
APA Accredited Internship

Postdoctoral Fellowship

09/2022 – 08/2025 Postdoctoral Fellow
Interdisciplinary T32 (MH015442): Postdoctoral Training in
Developmental Psychobiology, Psychopathology and Behavior

Department of Psychiatry, University of Colorado, Anschutz
Medical Campus
Supervisors: Jason Tregellas, Ph.D. and Kristina Legget, Ph.D.
(research); Michelle West, Ph.D. (clinical)

ACADEMIC APPOINTMENTS

12/2024 – 07/2026	Clinical Instructor University of Colorado School of Medicine, Aurora, CO PEACS Clinic, Department of Psychiatry
09/2025 – 07/2026	Research Associate University of Colorado School of Medicine, Aurora, CO CHAOS Lab, Department of Psychiatry
08/2026 – Present	Assistant Professor University of Colorado School of Medicine, Aurora, CO Department of Psychiatry

HONORS, SPECIAL RECOGNITIONS, AND AWARDS

2014	Sigma Xi Scientific Research Society
2014	Cum Laude Latin Honors, Wellesley College
2017 – 2020	Letters of Clinical Excellence, UCLA Psychology Clinic
2019	Student Poster Award, Society for Psychophysiological Research (\$300)
2020	Clinical Service Award, University of California, Los Angeles Psychology Clinic (\$500)
2025	Early Career Investigator Poster Award, APA Divisions 50 and 28

MEMBERSHIPS, SERVICE IN PROFESSIONAL ORGANIZATIONS

2016 – 2020	Member Society for Psychophysiological Research (SPR)
2018 – 2019	Member Association for Psychological Science (APS)
2026 – Present	Member Research Society on Marijuana (RSMj)

COMMITTEE AND SERVICE RESPONSIBILITIES

2018 – 2019	Class Representative, Clinical Area Committee University of California, Los Angeles
2018 – 2020	Mentor, Undergraduate Research Journal for Psychology University of California, Los Angeles
2019 – 2021	Student Representative, Clinical Area Admissions Committee University of California, Los Angeles
2025 – Present	Mentor, Women in STEM (WiSTEM) University of Colorado Anschutz Medical Campus

LICENSURE AND BOARD CERTIFICATION

09/2022 – Present	National Provider Identifier (NPI) National Plan & Provider Enumeration System (NPPES)
12/2022 – Present	Certified Assessor for Structured Interview for Psychosis-Risk Syndromes (SIPS) Yale Prime Clinic, Department of Psychiatry
07/2024 – Present	Licensed Psychologist Colorado Department of Regulatory Agencies, Division of Professions and Occupations

REVIEWER & REFEREE WORK

Ad Hoc Reviewer, Peer Reviewed Journals

- NeuroImage
- NeuroImage: Clinical
- Nature: Scientific Reports
- Cortex
- Journal of Neuroinflammation
- Child and Adolescent Psychiatry and Mental Health

INVITED EXTRAMURAL LECTURES AND PRESENTATIONS

Invited Regional & National Presentations

1. Guha, A. (2014, May). No action video game training effects for multiple object tracking or mental rotation. Talk given at the annual meeting of Vision Sciences Society, St. Pete Beach, FA.
2. Guha, A. (2025, October). Lifetime Cannabis Use is Associated with Brain Volume and Cognitive Function in Older Adults. Talk given at the Cannabis Research Conference, Portland, OR.
3. Guha, A. (2026, March). Lifetime Cannabis Use is Associated with Brain Volume and Cognitive Function in Older Adults. Talk (virtual) given at Center for Medical Cannabis Research (CMCR), University of California, San Diego, CA.
4. Guha, A. (2026, August). Lifetime Cannabis Use is Associated with Brain Volume and Cognitive Function in Older Adults. Talk to be given at Research Society on Marijuana (RSMj), Albuquerque, NM.

TEACHING RECORD

Teaching of Students in Courses

Fall 2012 – Spring 2014	Teaching Assistant Statistics for Psychology (Psychology 205) Wellesley College, Wellesley, MA
Fall 2017	Teaching Assistant General Psychology Laboratory (Psychology 101) University of California, Los Angeles, Los Angeles, CA
Winter 2019	Teaching Assistant Foundations of Clinical Psychology (Psychology 271E) University of California, Los Angeles, Los Angeles, CA
Winter 2020	Teaching Assistant Clinical Psychological Methods (Psychology 271B) University of California, Los Angeles, Los Angeles, CA
Spring 2023 – Present (recurring)	Presenter CEDAR-PEACS CHR Seminar (PEACS and Massachusetts area CHR programs) University of Colorado School of Medicine, Aurora, CO
Spring 2023 – Present (recurring)	Course Lecturer Mind & Behavior Course (5-7 hours of teaching over 2 days) “Physiology of Psychosis,” “Pathology of Psychosis, & “Responding to a Person with Psychosis,” “Trauma and Adverse Childhood Experiences,” “Responding to a Person with a Posttraumatic Disorder” University of Colorado School of Medicine, Aurora, CO

Clinical Supervision & Teaching

2019 – 2020	Supervision of graduate student clinic intake team (6 students; 3-5 hours per week) University of California, Los Angeles Psychology Clinic
2023 – Present	Supervision of pre-doctoral psychology & social work trainees (1-2 trainees; 1-4 hours per week) PEACS Clinic University of Colorado School of Medicine, Department of Psychiatry

Research / Laboratory Supervision & Training

2017-2022	Supervisor, Research Team (4-8 undergraduate and graduate mentees) Laboratory of Clinical and Affective Psychophysiology, University of California, Los Angeles
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Mentoring and Supervising Students, Trainees, & Fellows

Undergraduate Research Students, Laboratory of Clinical and Affective Psychophysiology, University of California, Los Angeles:

- Evamae Bayudan (2018-2019)
- Danielle Wenger (2018-2019)
- Logan Andrews (2019-2020)
- Jessica Thoma (2019-2020)

Predoctoral Clinical Trainees, PEACS, University of Colorado School of Medicine

- Samantha Engelstad (2023-2024)
- Jamie Gray (2024-2025)
- Cain Gao (2025-2026)
- Thomas Doran (2026-2027)
- Bryan Contreras Zamora (2026-2027)

Social Clinical Trainees

- Jonathan Schwartz (2024-2025)

Graduate Students, Women in STEM (WiSTEM) Mentorship Program, University of Colorado School of Medicine:

- Abigail Cozart (2025-2026)

GRANT SUPPORT

Active Grant Support

N/A

Completed Grant Support

Granting Agency: National Institute of Mental Health (NIMH)
Identifying Number: F31 MH124421
Project Title: Identifying Neural Mechanisms of Aberrant Inhibitory Processing and Salience in Patients with Schizophrenia
Project Dates: 02/01/2021-08/01/2021
PI: Guha, Anika; Miller, Gregory A. (mentor); Yee-Bradbury, Cindy (mentor)
Total Direct Costs: \$86,124
Role: PI
% Effort: 1.0 FTE

Granting Agency: Developmental Psychobiology Research Group, University of Colorado Anschutz Medical Campus
Identifying Number: NA
Project Title: Evaluating the Developmental Trajectory and Impact of Early Hippocampal Activity
Project Dates: 11/01/2023-10/31/2024
PI: Guha, Anika; Tregellas, Jason (Mentor)
Total Direct Costs: \$7,500
Role: PI
% Effort: NA

Granting Agency: National Institute of Mental Health (NIMH)
Identifying Number: T32 MH015442
Project Title: Development of Psychopathology, Psychobiology, & Behavior
Project Dates: 09/01/2022 – 08/31/2025
PI: Tregellas, Jason
Total Direct Costs: \$498,210 (total institutional award)
Role: Postdoctoral Trainee
% Effort: 1.0 FTE

BIBLIOGRAPHY

For bibliography: <https://www.ncbi.nlm.nih.gov/myncbi/anika.guha.1/bibliography/public/>

Papers Published in Peer-Reviewed Journals

1. Fu, Z., Hutchison, K., **Guha, A.**, Calhoun, V., Sui, J. (In Press). Prenatal Cannabis Exposure Shaping Altered Brain Connectivity: Neural Correlates of Cognitive and Mental Health Variability in Offspring.

2. Forsyth, J. K., Zhu, J., Chavannes, A., Trevorrow, Z. H., Hyat, M., Sievertsen, S. A., Ferreira-Ianone, S., Conomos, M. P., Nuechterlein, K. H., Asarnow, R. F., Green, M. F., Karlsgodt, K. H., Perkins, D. O., Cannon, T. D., Addington, J. M., Cadenhead, K. S., Cornblatt, B. A., Keshavan, M. S., Mathalon, D. H., Stone, W. S., Tsung, M. T., Walker, E. F., Woods, S. W., Narr, K. L., McEwen, S. C., Schleifer, C. H., Yee, C. M., Diehl, C. K., **Guha, A.**, Miller, G. A., Alexander-Bloch, A. F., Seidlitz, J., Bethlehem, R. A. I., Eichler, E., Uphoff, R. A., Bearden, C. E. (In Press). Fetal Gene Regulatory Gene Deletions are Associated with Poor Cognition and Altered Cortical Morphology in Schizophrenia and Community-Based Samples. *The American Journal of Psychiatry*.
3. **Guha, A.**, Fu, Z., Calhoun, V., Hutchison, K. 2026. Lifetime Cannabis Use is Associated with Brain Volume and Cognitive Function in Middle-Aged and Older Adults. *Journal of Studies on Alcohol and Drugs*.
4. **Guha, A.**, Hunter, S., Legget, K., McHugo, M., Tregellas, J. 2025. Greater increase in hippocampal activity during the early postnatal period after preterm birth is associated with better cognitive and motor outcomes at 18 months. *Developmental Neurobiology*.
5. Sargent, K. S., Martinez, E. L., Reed, A. C., **Guha, A.**, Bartholomew, M. E., Diehl, C. K., ... & Yee, C. M. (2024). Brain-body dysconnectivity: Deficient autonomic regulation of cortical function in first-episode schizophrenia. *Psychological Medicine*.
6. **Guha, A.**, Hunter, S., Legget, K., McHugo, M., Hoffman, C., Tregellas, J. (2024). Intrinsic Infant Hippocampal Function Supports Sensory Gating. *Developmental Psychobiology*. *Developmental Psychobiology*, 66(6), e22529.
7. **Guha, A.**, Popov, T., Bartholomew, M. E., Reed, A. C., Diehl, C. K., Subotnik, K. L., Ventura, J., Nuechterlein, K. H., Miller, G. A., & Yee, C. M. (2024). Task-based default mode network connectivity predicts cognitive impairment and negative symptoms in first-episode schizophrenia. *Psychophysiology*, 00, e14627.
8. Sargent, K. S., Martinez, E. L., Reed, A. C., **Guha, A.**, Bartholomew, M. E., Diehl, C. K., ... & Yee, C. M. (2024). Oscillatory Coupling Between Neural and Cardiac Rhythms. *Psychological Science*, 35(5), 517-528.
9. Winters, D. E., **Guha, A.**, & Sakai, J. T. (2023). Connectome-based predictive modeling of empathy in adolescents with and without the low-prosocial emotion specifier. *Neuroscience Letters*.
10. **Guha, A.**, Yee, C. M., Heller, W., & Miller, G. A. (2021). Alterations in the default mode-salience network circuit provide a potential mechanism supporting negativity bias in depression. *Psychophysiology*, 00, e13918. <https://doi.org/10.1111/psyp.13918>
11. Kalonji, C., Wenger, D., **Guha, A.**, Yarosh, C., Koney, N., Hoffman, C. Educating patients on nutrition using a short computer-based video: A successful clinic model. *International Journal of Disease Reversal and Prevention*.
12. Fisher, J., **Guha, A.**, Heller, W., Miller, G.A. (2020). Extreme-groups designs in studies of dimensional phenomena: Advantages, caveats, and recommendations. *Journal of Abnormal Psychology*, 129, 14-20. [dx.doi.org/10.1037/abn0000480](https://doi.org/10.1037/abn0000480).
13. **Guha, A.**, Spielberg, J., Lake, J., Popov, T., Heller, W., Yee, C.M., & Miller, G.A. (2019). Effective connectivity between Broca's area and amygdala as a mechanism of top-down control in worry. *Clinical Psychological Science*, 7. doi: 10.1177/2167702619867098.
14. Fritz, T., Mueller, K., **Guha, A.**, Gouws, A., Levita, L., Andrews, T. J., & Slocombe, K. E. (2018). Human behavioural discrimination of human, chimpanzee and macaque

affective vocalisations is reflected by the neural response in the superior temporal sulcus. *Neuropsychologia*, 111, 145-150.

15. Smith, R. X., **Guha, A.**, Vaida, F., Paul, R. H., & Ances, B. (2017). Prefrontal recruitment mitigates risk-taking behavior in human immunodeficiency virus-infected young adults. *Clinical Infectious Diseases*, 66(10), 1595-1601.
16. **Guha, A.**, Brier, M. R., Ortega, M., Westerhaus, E., Nelson, B., & Ances, B. M. (2016). Topographies of cortical and subcortical volume loss in HIV and aging in the cART era. *JAIDS Journal of Acquired Immune Deficiency Syndromes*, 73(4), 374-383.
17. **Guha, A.**, Wang, L., Tanenbaum, A., Esmaili-Firidouni, P., Wendelken, L. A., Busovaca, E., ... & Valcour, V. (2016). Intrinsic network connectivity abnormalities in HIV-infected individuals over age 60. *Journal of Neurovirology*, 22(1), 80-87.
18. Fritz, T. H., Ciupek, M., Kirkland, A., Ihme, K., **Guha, A.**, Hoyer, J., & Villringer, A. (2014). Enhanced response to music in pregnancy. *Psychophysiology*, 51(9), 905-911.

Book Chapters, Invited Articles, and Reviews in Non Peer-Reviewed Journals

1. Edgar, J.C., **Guha, A.**, & Miller, G.A. (2020). Magnetoencephalography for schizophrenia. Special issue on magnetoencephalography, R.R. Lee & M.X. Huang (Eds.), *Neuroimaging Clinics*, 30, 205-216.

Digital and Other “Products of Scholarship”

1. Guha, Anika. (2020, June 29th). Feeling Down During COVID?? How to Overcome Your Negative Filter. *Psychology in Action*. <https://www.psychologyinaction.org/2020-6-29-feeling-down-during-covid-how-to-overcome-your-negative-filter/>
2. Guha, Anika. (2020, July 26th). Worrywarts Anonymous: Understanding and Finding Ways to Manage Your Worry. *Psychology in Action*. <https://www.psychologyinaction.org/2020-7-26-worrywarts-anonymous-understanding-and-finding-ways-to-manage-your-worry/>
3. Guha, Anika. (2020, October 15th). Using Self-Compassion to Reduce Negative Self-Talk. *Psychology in Action*. <https://www.psychologyinaction.org/2020-10-15-using-self-compassion-to-reduce-negative-self-talk/>

Scientific Abstracts Published or Presented at Scientific Meetings: Competitive

1. **Guha, A.**, Fu, Z., Morris, A.W.J., Calhoun, V., Hutchison, K. (2025, October). Lifetime Cannabis Use is Associated with Brain Volume and Cognitive Function in Older Adults. Talk given at the Cannabis Research Conference, Portland, OR.
2. **Guha, A.**, Fu, Z., Morris, A.W.J., Calhoun, V., Hutchison, K. (2025, August). Cannabis Use Is Associated with Gray Matter Preservation in Older Adults. Poster presented at the American Psychological Association (APA) Annual Meeting, Denver, CO.
3. **Guha, A.**, Hunter, S., Legget, K., McHugo, M., Dodd, K. Hoffman, C., Tregellas, J. (2024, May). Intrinsic Infant Hippocampal Function May Support Inhibitory Processing. Poster presented at the Society of Biological Psychiatry Annual Meeting, Austin, TX.
4. **Guha, A.**, Spielberg, J., Lake, J., Popov, T., Heller, W., Yee, C. & Miller, G.A. (2019, September). Effective connectivity between Broca’s area and amygdala as a mechanism

of top-down control in worry. Poster presented at the Society for Psychophysiological Research Annual Meeting, Washington, D.C. Winner, Student Poster Award.

5. **Guha, A.**, Brier, M. R., Ortega, M., Westerhaus, E., Nelson, B., & Ances, B. M. (2016, February). Topographies of cortical and subcortical volume loss in HIV and aging in the cART era. Poster presented at the annual Conference on Retroviruses and Opportunistic Infections (CROI), Boston, MA.
6. **Guha, A.**, Jereen, A., DeGutis, J., & Wilmer, J. (2014, May). No action video game training effects for multiple object tracking or mental rotation. Talk given at the annual meeting of Vision Sciences Society, St. Pete Beach, FA.

Selected Media Contributions

1. April, 2026. 5280 Magazine: <https://5280.com/how-to-live-longer-according-to-actual-medical-experts/>
2. February 15th, 2026. Fox News: <https://www.foxnews.com/health/study-challenges-negative-cannabis-stereotypes-claiming-link-brain-benefits>
3. February 3rd, 2026. University of Colorado Anschutz Medical Campus Newsroom/Medical Press: <https://news.cuanschutz.edu/news-stories/study-finds-cannabis-usage-in-middle-aged-and-older-adults-associated-with-larger-brain-volume-better-cognitive-function>