Anika Guha, Ph.D.

anika.m.guha@cuanschutz.edu | (720) 839-4308

ACADEMIC POSITIONS

2025 – Present	**Faculty Research Associate** Cannabis, Health, and Addiction Over the lifeSpan (CHAOS) Lab Department of Psychiatry, University of Colorado Anschutz Medical Campus
2024 – Present	**Clinical Instructor** Program for Early Assessment, Care and Study (PEACS) Department of Psychiatry, University of Colorado Anschutz Medical Campus

EDUCATION

2022 – 2025	**Postdoctoral Fellowship** Developmental Psychobiology Research Group Department of Psychiatry, University of Colorado Anschutz Medical Campus
2017 - 2022	**Doctor of Philosophy, Clinical Psychology** University of California, Los Angeles Clinical Internship: Greater Los Angeles VA Healthcare System
2016 – 2017	**Master of Arts, Clinical Psychology** University of California, Los Angeles
2010 - 2014	**Bachelor of Arts, Neuroscience, cum laude** Wellesley College

GRANTS AND FELLOWSHIPS

2023	Small Developmental Psychobiology Endowment Fund Grant, CU Anschutz Medical Campus ($7,500)
2022 – 2025	Interdisciplinary T32 Postdoctoral Training Fellowship (T32 MH015442), NIMH
2021	National Research Service Award Predoctoral Fellowship (F31 MH124421-01), NIMH ($86,124)
2020	Dissertation Year Fellowship, UCLA ($20,000)
2018	Graduate Summer Research Mentorship Award, UCLA ($6,000)
2017	Graduate Summer Research Mentorship Award, UCLA ($6,000)
2016	Edwin W. Pauley Fellowship, UCLA ($15,000)
2016	Department of Psychology Fellowship, UCLA ($21,000)

AWARDS AND HONORS

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

PUBLICATIONS

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

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.

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.

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.

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.

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.

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.

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.

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.

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

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.

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.

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.

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.

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.

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.

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.

Guha, A., Wang, L., Tanenbaum, A., Esmaeili-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.

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.

SELECTED MEDIA CONTRIBUTIONS

April, 2026. 5280 Magazine: https://5280.com/how-to-live-longer-according-to-actual-medical-experts/

February 15th, 2026. Fox News: https://www.foxnews.com/health/study-challenges-negative-cannabis-stereotypes-claiming-link-brain-benefits

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

FIRST-AUTHOR PRESENTATIONS

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.

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.

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.

Guha, A., Hunter, S., Legget, K., McHugo, M., Dodd, K. Hoffman, C., Tregellas, J. (2023, March). Intrinsic neuronal networks in the infant brain: Relationships with maternal choline and child temperament. Poster presented at the Psychiatry Department Poster Session at University of Colorado School of Medicine Anschutz Campus, Aurora, CO.

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.

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.

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.

CLINICAL EXPERIENCE

2024 – Present	**Program for Early Assessment, Care, & Study (PEACS), University of Colorado Anschutz Medical Campus** Licensed Psychologist and Clinical Instructor
2022 – 2024	**Program for Early Assessment, Care, & Study (PEACS), University of Colorado Anschutz Medical Campus** Clinical Postdoctoral Fellow
2021 – 2022	**West Los Angeles VA Medical Center** Psychology Intern General Track: Domiciliary Residential Rehabilitation Treatment Program; Behavioral Health/Primary Care Mental Health Integration (PCMHI); Trauma Programs; Substance Use Disorders Clinic.
2017 - 2021	**UCLA Psychology Clinic** Neuropsychology Assessor, Intake Clinician, Graduate Student Therapist (CBT, DBT, ACT, MATCH-ADTC), Group Therapy Co-Leader, Peer Supervisor
2018 – 2019	**CBT for Psychosis Clinic, West Los Angeles VA Medical Center** Psychology Pre-Intern

TEACHING EXPERIENCE

Spring 2023 - Present (recurring)	Lecturer, University of Colorado Anschutz Medical Campus Psychosis Module, Trauma Module Mind & Behavior (IDPT 5024)
Winter 2020	Teaching Assistant, University of California, Los Angeles Clinical Psychological Methods (Psychology 271B)
Winter 2019	Teaching Assistant, University of California, Los Angeles Foundations of Clinical Psychology (Psychology 271E)
Fall 2017	Teaching Assistant, University of California, Los Angeles General Psychology Laboratory (Psychology 101)
Fall 2012 - Spring 2014	Teaching Assistant, Wellesley College Statistics for Psychology (Psychology 205)

ACADEMIC MEMBERSHIPS AND POSITIONS

2019 – 2021	Student representative, Clinical Area Admissions Committee, UCLA
2018 – 2020	Graduate student mentor, Undergraduate Research Journal for Psychology, UCLA
2018 – 2019	Member, Association for Psychological Science (APS)
2018 – 2019	Class representative, Clinical Area Committee, UCLA
2016 – 2022	Member, Underrepresented Graduate Students in Psychology (UGSP) at UCLA
2016 – 2021	Contributing Member, Psychology in Action at UCLA
2016 – 2020	Member, Society for Psychophysiological Research (SPR)

AD-HOC REVIEW FOR JOURNALS

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

SKILLS

Certifications:
Licensed Clinical Psychologist, Colorado, PSY.0006450
Assessor for Structured Interview for Psychosis-Risk Syndromes (SIPS)
Managing and Adapting Practice (MAP) Training
fMRI Acquisition and Analysis Course, Translational Research in Neuroimaging & Data Science (TReNDS)

Computer Skills and Software: FSL, SPM, fMRIPrep, MATLAB, R, BESA, EEGLAB, FieldTrip, ITK-SNAP, Bash scripting, IBM SPSS, FreeSurfer, Mendeley, Microsoft Word, Microsoft Excel; GNU parallel processing; comfortable with Mac, Windows, and Linux (Ubuntu, OpenSUSE)

Languages: English, working proficiency in German