Amar Ojha

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Pittsburgh, PA, USA   
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amarojha.github.io

**education**

2019-present University of Pittsburgh, Pittsburgh, PA, USA   
PhD in Neuroscience   
Advisors: Beatriz Luna & Cecile Ladouceur

2019-present Center for the Neural Basis of Cognition  
Carnegie Mellon University & University of Pittsburgh  
Graduate Certificate Training Program

2013-2017 Bates College, Lewison, ME, USA  
BA in Neuroscience   
BA in Philosophy  
Advisors: Jason Castro & Susan Stark

**research experience**

2019-present University of Pittsburgh, Pittsburgh, PA, USA  
Graduate Student Researcher  
Advisors: Beatriz Luna & Cecile Ladouceur

2017-2019 Stanford University, Stanford, CA, USA   
Full-time Research Coordinator   
Advisor: Ian Gotlib

2016 Georgetown University, Washington D.C., USA  
Part-time Research Assistant  
Advisor: Adam Green

2015-2016 Mandell Center for Multiple Sclerosis, Hartford, CT, USA  
Part-time Research Assistant  
Advisor: Elizabeth Triche

**awards**

2021-2022 Behavioral Brain (B2) Research Training Grant (T32GM081760)  
 award: $25,826 (one year of stipend support)  
2019 AAAS/Science Program for Excellence in Science   
2017 Bates College Honors Program  
2017 Bates College Dean’s List

**publications**

Ho, T.C., Teresi, G.I., Segarra, J.R., **Ojha, A.**, Walker, J.C., Gu, M., Spielman, D.M., Sacchet, M.D., Jiang, F., Rosenberg-Hasson, Y., Maecker, H.T., Singh, M.K., Gotlib, I.H. (2021). “Higher Levels of Pro-Inflammatory Cytokines are Associated with Higher Levels of Glutamate in the Anterior Cingulate Cortex in Depressed Adolescents.” *Frontiers in Psychiatry.*

Ho, T.C., Teresi, G.I., **Ojha, A.**, Walker, J.C., Kirshenbaum, J.S., Singh, M.K., Gotlib, I.H. (2020). “Smaller Caudate Gray Matter Volume is Associated with Greater Implicit Suicidal Ideation in Depressed Adolescents.” *Journal of Affective Disorders.*

Walker, J.C., Teresi, G.I., Weisenburger, R.L., Segarra, J.R., **Ojha, A.**, Kulla, A., Sisk, L., Gu, M., Spielman, D.M., Rosenberg-Hasson, Y., Maecker, H.T., Singh, M.K., Gotlib, I.H., Ho, T.C. (2020). “Study Protocol for Teen Inflammation Glutamate Emotion Research (TIGER).” *Frontiers in Human Neuroscience.*

Camacho, M.C., King, L.S., **Ojha, A.**, Garcia, C.M., Sisk, L.M., Cichocki, A.C., Humphreys, K.L., Gotlib, I.H. (2019). “Cerebral Blood Flow in 5- To 8-Month-Olds: Regional Tissue Maturity is Associated with Infant Affect.” *Developmental Science.*

**manuscripts under review**

van Velzen, L.S., Dauvermann, M.R., Colic, L., Villa., L.M., Savage, H.S., Toenders, Y.J., Zhu, A.H., Bright, J.K., Campos, A.I., Salminen, L., Ambrogi, S., Ayesa-Arriola, R., Banaj, N., Başgöze, Z., Bauer, J., Blair, K., Blair, R.J., Brosch, K., Cheng, Y., Colle, R., Connolly, C.G., Corruble, E., Couvy-Duchesne, B., Crespo-Facorro, B., Cullen, K.R., Dannlowski, U., Davey, C.G., Dohm, K., Fullerton, J.M., Gonul, A.S., Gotlib, I.H., Grotegerd, D., Hahn, T., Harrison, B.J., He, M., Hickie, I.B., Ho, T.C., Iorfino, F., Jansen, A., Jollant, F., Kircher, T., Klimes-Dougan, B., Klug, M., Leehr, E.J., Lippard, E.T.C., McLaughlin, K.A., Meinert, S., Miller, A.B., Mitchell, P.B., Mwangi, B., Nenadić, I., **Ojha, A.**, Overs, B.J., Pfarr, J., Piras, F., Ringwald, K.G., Roberts, G., Romer, G., Sanches, M., Sheridan, M.A., Soares, J.C., Spalletta, G., Stein, F., Teresi, G.I., Tordesillas-Gutiérrez, D., Uyar-Demir, A., van der Wee, N.J.A., van der Werff, S.J., Vermeiren R.R.J.M., Winter, A., Wu, M., Yang, T.T., Thompson, P.M., Renteria, M.E., Jahanshad, N., Blumberg, H.P., van Harmelen, A., Schmaal, L. (submitted). “Structural Brain Alterations Associated with Suicidal Thoughts and Behaviors in Young People: Results Across 21 International Studies from the ENIGMA Suicidal Thoughts and Behaviors Consortium.”

**manuscripts in preparation**

**Ojha, A.**, Parr, A., Foran, W., Calabro, F., Luna, B. (in prep). “Characterizing Puberty-Related Changes in Fronto-Striatal Resting-State Functional Connectivity in Adolescence.”

**Ojha, A.**, Teresi, G.I., Slavich, G.M., Gotlib, I.H., Ho, T.C. (in prep). “Social Threat, Fronto-Cingulate-Limbic Morphometry, and Symptom Course in Depressed Adolescents: A Longitudinal Investigation.”

**Ojha, A.**, Miller, J.G., King, L.S., Davis, E.G., Humphreys, K.L., Gotlib, I.H. (in prep). “Dispositional and Parental Empathy are Differentially Associated with Mothers’ Brain Activation and Toddlers’ Social Behavior.”

**Ojha, A.,** Jones, N.P., Versace, A., Lindstrom, R., Wilson, T.K., Gnagy, E.M., Pelham, W.E., Molina, B.S.G., Ladouceur, C.D. (in prep). “Altered Functioning of Cortico-Amygdala Circuitry During Emotional Interference Resistance is Associated with Emotion Dysregulation in Adults with a Childhood Diagnosis of ADHD.”

**conference presentations**

Ladouceur, C.D., Brosseau, P., Henry, T., **Ojha, A.**, Diler, R. (2021, December). Alterations in the functioning of striatal subregions are associated with anhedonia as a function of striatal dopamine concentrations in adolescents with depression. American College of Neuropsychopharmacology Annual Meeting.

**Ojha, A.,** Parr, A.C., Foran, W., Calabro, F., Ladouceur, C.D., Luna, B. (2021, October). Characterizing puberty-related changes in fronto-striatal resting-state functional connectivity in adolescence. University of Pittsburgh Psychiatry Research (Half) Day 2021.

Brosseau, P., Henry, T.R., **Ojha, A.**, Diler, R., Ladouceur, C.D. (2021, October). Alterations in the Functioning of Striatal Subregions are Associated with Anhedonia as a Function of Striatal Dopamine Concentrations in Adolescents with Depression. University of Pittsburgh Research (Half) Day 2021.

**Ojha, A.,** Parr, A.C., Foran, W., Calabro, F., Ladouceur, C.D., Luna, B. (2021, September). Characterizing puberty-related changes in fronto-striatal resting-state functional connectivity in adolescence. Flux Society of Developmental Cognitive Neuroscience.

**Ojha, A.**, Miller, J.G., King, L.S., Davis, E.G., Humphreys, K.L., Gotlib, I.H. (2021, April). Dispositional and Parental Empathy are Differentially Associated with Mothers’ Brain Activation and Toddlers’ Social Behavior. Society for Research in Child Development.

Segarra, J.R., **Ojha, A.**, Rosenberg-Hasson, Y., Maecker, H.T., Gotlib, I.H., Ho, T.C. (2020, May). Elevated Concentrations of Inflammatory Cytokines Are Associated with Cortical Thickness of the Rostral Anterior Cingulate Cortex in Adolescents. Society of Biological Psychiatry.

Teresi, G., **Ojha, A.**, Walker, J.C., Singh, M.K., Gotlib, I.H., Ho, T.C. (2020, May). Dorsal Striatal Gray Matter Volume is Associated with Implicit Suicidal Ideation in Depressed Adolescents. Society of Biological Psychiatry.

**Ojha, A.,** Rosenberg-Hasson, Y., Maecker, H.T., Gotlib, I.H., Ho, T.C. (2019, September). Higher Concentrations of Interleukin-6 are Associated with Smaller Nucleus Accumbens Gray Matter Volume and More Severe Symptoms in Depressed Adolescents. Center for Neuroscience at the University of Pittsburgh Annual Retreat.

**Ojha, A.,** Walker, J.C., Ho, T.C., Gotlib, I.H. (2019, September). Experiences of Abuse and not Neglect are Associated with Decreased Amygdala Gray Matter Volumes in Depressed Adolescents. Flux Society of Developmental Cognitive Neuroscience.

**Ojha, A.,** Rosenberg-Hasson, Y., Maecker, H.T., Gotlib, I.H., Ho, T.C. (2019, May). Higher Concentrations of Interleukin-6 are Associated with Smaller Nucleus Accumbens Gray Matter Volume and More Severe Symptoms in Depressed Adolescents. Society of Biological Psychiatry.

**Ojha, A.,** Camacho, C.M., King, L.S., Humphreys, K.L., Gotlib, I.H. (2018, May). Infant Regional Cerebral Blood Flow is Associated with Maternal Sensitivity During Social Stress. Social and Affective Neuroscience Society.

Santos, S., **Ojha, A.,** Tuttle, L., Olson, K.M., Ruiz, J.A., Lo, A.C., Triche, E.W. (2015, September). Plan for the Development and Validation of Patient Centered Electronic Symptom Diary for Persons with MS.Saint Francis Hospital and Medical Center Annual Research Day 2015.

**technical expertise**

neuroimaging data collection SPGR, DWI, qT1, BOLD fMRI, ASL, MRS sequences  
 clinical and nonclinical populations from infants to adults

data processing and analysis FreeSurfer, AFNI, R, bash, Python, Matlab, SPSS

**professional memberships**

Society for Research in Child Development  
Flux Society for Developmental Cognitive Neuroscience  
Social and Affective Neuroscience Society  
Society of Biological Psychiatry  
American Association for the Advancement of Science (AAAS) (awarded full membership)  
Association for Psychological Science (APS) (awarded full membership)

**selected service**

ad-hoc reviewer *Psychological Medicine*

reviewer 2021 APS Student Grant Competition Reviewer  
 2020 APS Student Research Award Reviewer

**teaching experience**

2020 Graduate Teaching Assistant, University of Pittsburgh  
 *Brain and Behavior* guest lecturer: “Stress, Emotions, & Neurodevelopment”

2017-2019 Verbal Tutor  
 Compass Prep Education

2017 Redesigned Course, Bates College  
 *Intro to Neuroscience*  
 Faculty Advisor: Jason Castro

2017 Writing and Teaching Assistant, Bates College  
 *Biomedical Ethics* Faculty Advisor: David Cummiskey

2015 Tutor, Bates College  
 *Intro to Neuroscience*  
 Faculty Advisor: Jason Castro

**references**

**Beatriz Luna, Ph.D.**Staunton Professor of Psychiatry and Pediatrics  
Professor of Psychology  
University of Pittsburgh [lunab@upmc.edu](mailto:lunab@upmc.edu)

**Cecile D. Ladouceur, Ph.D.**Associate Professor  
Departments of Psychiatry and Psychology  
University of Pittsburgh [ladouceurcd@upmc.edu](mailto:ladouceurcd@upmc.edu)  
  
**Ian H. Gotlib, Ph.D.**Marjorie Mhoon Fair Professor  
Department of Psychology  
Stanford University [ian.gotlib@stanford.edu](mailto:ian.gotlib@stanford.edu)  
  
**Tiffany C. Ho, Ph.D.**Assistant Professor  
Department of Psychiatry  
University of California San Francisco [tiffany.ho@ucsf.edu](mailto:tiffany.ho@ucsf.edu)