

Amar Ojha

Loeffler Building, 121 Meyran Ave.
Pittsburgh, PA, USA
amo80@pitt.edu
amarojha.github.io

education

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| 2019-present | University of Pittsburgh, Pittsburgh, PA, USA
PhD in Neuroscience
Advisors: Beatriz Luna & Cecile Ladouceur |
| 2013-2017 | Bates College, Lewison, ME, USA
BA in Neuroscience
BA in Philosophy
Advisors: Jason Castro & Susan Stark |

research experience

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| 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

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| 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., Ambroggi, S., Ayasa-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. (in prep). "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., et al. (in prep) "Social Stress Severity is Associated with Cortical and Subcortical Morphology in Depressed Adolescents."

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

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

Graduate Teaching Assistant Fellow, University of Pittsburgh

2020: *Brain and Behavior* (B. Albana)

guest lecturer: "Stress, Emotions, and Neurodevelopment"

Verbal Tutor, Compass Prep Education

2017-2019

Redesigned Intro to Neuroscience, Bates College

2017 (J. Castro)

Writing and Teaching Assistant, Bates College

2017: *Biomedical Ethics* (D. Cummiskey)

Tutor, Bates College

2015: *Introduction to Neuroscience* (J. Castro)

Science Summer Camp Counselor, New Children's Museum

2012-2015

references

Beatriz Luna, Ph.D.

Staunton Professor of Psychiatry and Pediatrics
Professor of Psychology
University of Pittsburgh

lunab@upmc.edu

Cecile D. Ladouceur, Ph.D.

Associate Professor
Departments of Psychiatry and Psychology
University of Pittsburgh

ladouceurcd@upmc.edu

Ian H. Gotlib, Ph.D.

Marjorie Mhoon Fair Professor
Department of Psychology
Stanford University

ian.gotlib@stanford.edu

Tiffany C. Ho, Ph.D.

Assistant Professor
Department of Psychiatry
University of California San Francisco

tiffany.ho@ucsf.edu