

Amar Ojha

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education

2019-present	University of Pittsburgh, Pittsburgh, PA PhD in Neuroscience Advisors: Drs. 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 BA in Neuroscience BA in Philosophy Advisors: Drs. Jason Castro & Susan Stark

research experience

2019-present	University of Pittsburgh, Pittsburgh, PA Graduate Student Researcher Advisors: Drs. Beatriz Luna & Cecile Ladouceur
2017-2019	Stanford University, Stanford, CA Full-time Research Coordinator Advisor: Dr. Ian Gotlib
2016	Georgetown University, Washington D.C. Part-time Research Assistant Advisor: Dr. Adam Green
2015-2016	Mandell Center for Multiple Sclerosis, Hartford, CT Part-time Research Assistant Advisor: Dr. 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*, 12.

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*, 278, 650-657.

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*, 14, 414.

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*, 23(5), e12928.

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. (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."

Ojha, A., Teresi, G.I., Slavich, G.M., Gotlib, I.H., Ho, T.C. (submitted). "Social threat, fronto-cingulate- limbic morphometry, and symptom course in depressed adolescents: A longitudinal investigation."

manuscripts in preparation

Ojha, A., Parr, A., Foran, W., Calabro, F., Luna, B. (in prep). "Puberty-related maturation of adolescent fronto-striatal resting-state functional connectivity implicated in inhibitory control."

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 task 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	<i>Psychological Medicine</i>
reviewer	2021 APS Student Grant Competition Reviewer 2020 APS Student Research Award Reviewer

teaching experience

2020	Graduate Teaching Assistant, University of Pittsburgh <i>Brain and Behavior</i> guest lecturer: "Stress, Emotions, & Neurodevelopment"
2017-2019	Verbal Tutor Compass Prep Education
2017	Redesigned Course, Bates College <i>Intro to Neuroscience</i> Faculty Advisor: Dr. Jason Castro
2017	Writing and Teaching Assistant, Bates College <i>Biomedical Ethics</i> Faculty Advisor: Dr. David Cummiskey
2015	Tutor, Bates College <i>Intro to Neuroscience</i> Faculty Advisor: Dr. Jason Castro

references

Beatriz Luna, Ph.D.

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University of California San Francisco

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