

Amar Ojha
Center for Neuroscience
University of Pittsburgh
amo80@pitt.edu

EDUCATION & TRAINING

- 2019-2025 **Center for Neuroscience**
University of Pittsburgh
Ph.D. Candidate
- 2019-2025 **Center for the Neural Basis of Cognition**
Carnegie Mellon University and University of Pittsburgh
Graduate Certificate Training Program
- 2013-2017 **Bates College**
B.A. in Neuroscience
B.A. in Philosophy (Honors)

RESEARCH EXPERIENCE

- 2019-present **University of Pittsburgh**
Graduate Student Researcher
Advisors: Beatriz Luna & Cecile Ladouceur
- 2017-2019 **Stanford University**
MRI Research Coordinator
Advisor: Ian Gotlib
- 2016 **Georgetown University**
Undergraduate Research Assistant
Advisor: Adam Green
- 2015-2016 **Mandell Center for Multiple Sclerosis**
Part-time Research Assistant
Advisor: Elizabeth Triche

AWARDS

- 2025 **Pitt Biomedical Graduate Student Association Travel Award**
Award: \$250
- 2025 **Pitt School of Medicine Graduate Student Travel Award**
Award: \$500
- 2025 **CNBC McClelland Award for Outstanding Paper**
Award: \$500

2025	Sigma Xi, The Scientific Research Honor Society
2024	CNBC Career Development Award Award: \$1,000
2024	SfN Trainee Professional Development Award (TPDA) Award: \$1,000
2024	Delta Alpha Pi International Honor Society
2024	Wisconsin Symposium on Emotion Travel Award Award: \$300
2023	Pitt Psychiatry Research Day Poster Award
2023	CNBC Travel Award Award: \$500
2022-2023	Behavioral Brain (B2) Research Training Grant (T32GM142630) Award: \$26,352 (one year of stipend support)
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 (18 total: 5 first, 13 co-author)

1. Sydnor, V.J., **Ojha, A.**, Larsen, B., Martinez, A., Calabro, F.J., Luna, B. (accepted at *Neuropsychopharmacology Reviews*). "Investigating hierarchical critical periods in human neurodevelopment."
2. **Ojha, A.**, Foran, W., Calabro, F.J., Sydnor, V.J., Petrie, D.J., Parr, A.C., Famalette, A., Phang, N., Sista, A., Sorrells, S.F., Luna, B. (2025). "Human amygdala nuclei show distinct developmental trajectories from adolescence to adulthood in functional integration with prefrontal circuitry." *Cell Reports*, 44(9).
3. Goya-Maldonado, R., Erwin-Grabner, T., Zeng, L, Ching, C.R.K., Aleman, A., Amod, A.R., Basgoze, Z., Benedetti, F., Besteher, B., Brosch, K., Bülow, R., Colle, R., Connolly, C.G., Corruble, E., Couvy-Duchesne, B., Cullen, K., Dannlowski, U., Davey, C.G., Dols, A., Ernsting, J., Evans, J.W., Fisch, L., Fuentes-Claramonte, P., Gonul, A.S., Gotlib, I.H., Grabe, H.J., Groenewold, N.A., Grotegerd, D., Hahn, T., Hamilton, J.P., Han, L.K.M., Harrison, B.J., Ho, T.C., Jahanshad, N., Jamieson, A.J., Karuk, A., Kircher, T., Klimes-Dougan, B., Koopowitz, S., Lancaster T., Leenings, R., Li, M., Linden, D.J., MacMaster, F.P., Mehler, D.M.A., Meinert, S., Melloni, E., Mueller, B.A., Mwangi, B., Nenadić, I., **Ojha, A.**, Okamoto, Y., Oudega, M.L., Penninx, B.W.J.H., Poletti, S., Pomarol-Clotet, E., Portella, M.J., Pozzi, E., Radua, J., Rodríguez-Cano, E., Sacchet, M.D., Salvador, R., Schranke, A., Sim, K., Soares, J.C., Solanes, A., Stein, D.J., Stein, F., Stolicyn, A., Thomopoulos, S.I., Toenders, Y.J., Uyar-Demir, A., Vieta, E., Vives-Gilabert, Y., Völzke, H., Walter, M., Whalley, H.C., Whittle, S., Winter, N., Wittfeld, K., Wright, M.J., Wu, M., Yang, T.T., Zarate, C., Veltman, D.J., Schmaal, L., Thompson, P.M., the ENIGMA Major Depressive Disorder working

group. (2025). "Classification of major depressive disorder using vertex-wise brain sulcal depth, curvature, and thickness with a deep and a shallow learning model." *Molecular Psychiatry*, 1-13.

4. Tse, N.Y., Ratheesh, A., Tian, Y.E., Connolly, C.G., Davey, C.G., Ganesan, S., Gotlib, I.H., Harrison, B.J., Han, L.K.M., Ho, T.C., Jamieson, A.J., Kirshenbaum, J.S., Liu, Y., Ma, X., **Ojha, A.**, Qiu, J., Sacchet, M.D., Schmaal, L., Simmons, A.N., Suckling, J., Wei, D., Yang, T.T., Tang, X., Cash, R.F.H., Zalesky, A. (2024). "A mega-analysis of functional connectivity and network abnormalities in youth depression." *Nature Mental Health*, 1-14.
5. **Ojha, A.**, Jones, N.P., Henry, T., Versace, A., Lindstrom, R., Gnagy, E.M., Joseph, H.M., Molina, B.S.G.*, Ladouceur, C.D.* (2024). "Altered lateral prefrontal cortex functioning during emotional interference resistance is associated with affect lability in adults with persisting symptoms of ADHD from childhood." *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 9(6), 588-596.
6. Ravindranath, O., Perica, M.I., Parr, A.C., **Ojha, A.**, McKeon, S.D., Montano, G., Ullendorf, N., Luna, B., Edmiston, E.K. (2024). "Adolescent neurocognitive development and decision-making abilities regarding gender-affirming care." *Developmental Cognitive Neuroscience*, 101351.
7. Belov, V., Erwin-Grabner, T., Aghajani, M., Aleman, A., Amod, A.R., Basgoze, Z., Benedetti, F., Besteher, B., Bülow, R., Ching, C.R.K., Connolly, C.G., Cullen, K., Davey, C.G., Dima, D., Dols, A., Evans, J.W., Fu, C.H.Y., Saffet Gonul, A., Gotlib, I.H., Grabe, H.J., Groenewold, N., Hamilton, J.P., Harrison, B.J., Ho, T.C., Mwangi, B., Jaworska, N., Jahanshad, N., Klimes-Dougan, B., Koopowitz, S., Lancaster, T., Li, M., Linden, D.E.J., MacMaster, F.P., Mehler, D.M.A., Melloni, E., Mueller, B.A., **Ojha, A.**, Oudega, M.L., Pozzi, E., Reneman, L., Sacchet, M.D., Sämann, P.G., Schranter, A., Sim, K., Soares, J.C., Stein, D.J., Thomopoulos, S.I., Uyar-Demir, A., van der Wee, N.J.A., van der Werff, S.J.A., Völzke, H., Whittle, S., Wittfeld, S., Wright, M.J., Wu, M., Yang, T.T., Zarate, C., Veltman, D.J., Schmaal, L., Thompson, P.M., Goya-Maldonado, R., & the ENIGMA Major Depressive Disorder working group (2024). "Multi-site benchmark classification of major depressive disorder using machine learning on cortical and subcortical measures." *Scientific Reports*. 14(1), 1084.
8. Cabral, L., Calabro, F., Foran, W., Parr, A., **Ojha, A.**, Rasmussen J., Ceschin, R., Panigrahy, A., Luna, B. (2023). "Multivariate and regional age-related change in basal ganglia iron in neonates." *Cerebral Cortex*, 34(1), bhad456.
9. Ladouceur, C.D., Henry, T., **Ojha, A.**, Shirtcliff, E.A., Silk, J.S. (2023). "Fronto-amygdala resting state functional connectivity is associated with anxiety symptoms among adolescent girls more advanced in pubertal maturation." *Developmental Cognitive Neuroscience*, 60, 101236.

10. **Ojha, A.**, Parr, A., Foran, W., Calabro, F., Luna, B. (2022). "Puberty contributes to adolescent development of fronto-striatal functional connectivity supporting inhibitory control." *Developmental Cognitive Neuroscience*, 58, 101183.
11. **Ojha, A.**, Teresi, G.I., Slavich, G.M., Gotlib, I.H., Ho, T.C. (2022). "Social threat, fronto-cingulate-limbic morphometry, and symptom course in depressed adolescents: a longitudinal investigation." *Psychological Medicine*, 1-15.
12. Richie-Halford, A., Cieslak, M., Ai, L., Caffarra, S., Covitz, S., Franco, A.R., Karipidis, I.I., Kruper, J., Milham, M., Averlar-Pereira, B., Roy, E., Sydnor, V.J., Yeatman, J.D., **The Fibr Community Science Consortium**, Satterthwaite, T.D., Rokem, A. (2022). "An analysis-ready and quality controlled resource for pediatric brain white-matter research." *Scientific Data*, 9, 616.
13. 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. (2022). "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." *Molecular Psychiatry*, 1-11.
14. **Ojha, A.**, Miller, J.G., King, L.S., Davis, E.G., Humphreys, K.L., Gotlib, I.H. (2022). "Dispositional and parental empathy are differentially associated with mothers' brain activation and toddlers' social behavior." *Developmental Psychobiology*, 64, e22313.
15. 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.
16. 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.

17. 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.
18. 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 IN REVISION/UNDER REVIEW (6 total: 1 first, 5 co-author)

1. **Ojha, A.**, Henry, T.R., Jones, N.P., Shirtcliff, E.A., Ladouceur, C.D. (under review at *Neuropsychopharmacology*). “Mesocorticolimbic connectivity and motivational sensitivity: Sex-specific effects of puberty in early adolescence.”
2. Parr, A.C., **Ojha, A.**, Petrie, D.J., Calabro, F.J., Tervo-Clemmens, B., Foran, W., Fitzgerald, D., Tapert, S.F., Nooner, K., Thompson, W., Goldston, D., Clark, D., Luna, B. (revising for resubmission to *Nature Communications*). “Developmental variation in dopamine neurobiology, neurocognitive functioning, and impulsivity shape substance use trajectories in youth.”
3. Yan, C., Wang, Z., Han, L., Alexander, N., Alnæs, D., Başgöze, Z., Bauduin, S.E.E.C., Bauer, J., Benedetti, F., Berger, K., Besteher, B., Borgers, T., Bülow, R., Cao, L., Chen, G., Chen, J., Chen, S., Chen, T., Chen T., Chen, X., Chen, Y., Cheng, Y., Chu, Z., Colle, R., Connolly, C.G., Corruble, E., Couvy-Duchesne, B., Cui, X., Cullen, K.R., Dannlowski, U., Davey, C., Dima, D., Dols, A., Erwin-Grabner, T., Evans, J.W., Flinkenflügel, K., Fu, C.H.Y., Fuentes-Claramonte, P., Gao, Q., Gong, Q., Gonul, A.S., Gotlib, I.H., Goya-Moldonado, R., Grabe, H.J., Groenewold, N., Grotegerd, D., Guo, W., Hahn, T., Hall, G.B., Hamilton, P.J., Harrison, B., Hatton, S., He, C., Hermesdorf, M., Hickie, I.B., Ho, T.C., Hu, Z., Huang, Q., Jahanshad, N., Jamalabadi, H., Jamieson, A., Ji, X., Jia, F., Kamishikiryō, T., Kircher, T., Koopowitz, S., Kraus, A., Krug, A., Kuang, L., Lagopoulos, J., Lancaster, T., Landrø, N.I., Leehr, E.J., Li, M., Li, B., Li, F., Li, H., Li, T., Li, X., Liao, Y., Lin, Z., Linden, D.E.J., Liu, H., Liu, X., Liu, Z., Liu, Y., Long, Y., Lu, J., Lu, B., MacMaster, F.P., Maglanoc, L.A., McIntosh, A.M., Medland, S., Mehler, D.M.A., Meinert, S., Mwangi, B., **Ojha, A.**, Okada, G., Oudega, M.L., Pennix, B.W.J.H., Peletti, S., Pomarol-Clotet, E., Portella, M.J., Qiu, J., Reneman, L., Rise, H.S., Rodriguez-Cano, E., Sacchet, M.D., Salvador, R., Schlieper, H., Schranter, A., Shan, X., Shinzato, H., Si, T., Sim, K., Soares, J.C., Stein, D.J., Straube, B., Strike, L.T., Sun, P., Thomas-Odenthal, F., Thomopoulos, S.I., Thompson, P.M., Toenders, Y., Uyar, A., van der Wee,

N.J.A., Van der Werff, S.J.A., Veer, I.M., Veltman, D.J., Völzke, H., Wagenmakers, M., Walter, H., Walter, M., Wang, C., Wang, H., Wang, H., Wang, X., Wang, X., Wang, Y., Wang, Y., Westlye, L.T., Whalley, H.C., Whittle, S., Winter, N.R., Wittfeld, K., Wu, M., Wu, X., Wu, X., Wu, Y., Wu, C., Xie, C., Xie, G., Xie, P., Xu, X., Xue, Z., Yang, T.T., Yang, H., Yang, J., Yu, H., Yu, Y., Yuan, M., Yuan, Y., Zang, Y., Zarate, C.A., Zhang, A., Zhang, K., Zhang, W., Zhao, J., Zhong, W., Zhu, J., Zunta Soares, G.B., Zuo, X., Pozzi, E., Schmaal, L., ENIGMA MDD and DIRECT consortia. (under review at *Nature Mental Health*). “Vertex-wise cortical abnormalities with major depressive disorder based on brain scans from 64 cohorts worldwide in the DIRECT and ENIGMA MDD consortia.”

4. Sempach, L., Ulrich, S., Bauduin, S.E.E.C., Bauer, J., Benedetti, F., Berger, K., Besteher, B., Bülow, R., Connolly, C.G., Corruble, E., Couvy-Duchesne, B., Cullen, K.R., Dannlowski, U., Davey, C.G., Dima, D., Dols, A., Evans, J.W., Fu, C., Fuentes-Claramonte, P., Gonul, A.S., Gotlib, I.H., Goya-Maldonado, R., Grabe, H.J., Groenewold, N.A., Grotegerd, D., Gruber, O., Hahn, T., Hamilton, J.P., Han, L.K.M., Harrison, B.J., Hatton, S.N., Hermesdorf, M., Hickie, I.B., Ho, T.C., Hubbert, J.M., Jahanshad, N., Jamalabadi, H., Jamieson, A.J., Jurischka, C., Kamishikiyo, T., Kircher, T., Koopowitz, S., Kraus, A., Krieger, J., Krug, A., Lagopoulos, J., Li, M., McIntosh, A., Meinert, S., Melloni, E.M.T., Mwangi, B., Nenadic, I., **Ojha, A.**, Okada, G., Oudega, M.L., Penninx, B.W.J.H., Poletti, S., Pomarol-Clotet, E., Portella, M.J., Reneman, L., Rodriguez-Cano, E., Sacchet, M., Salvador, R., Schranke, A., Shinzato, H., Sim, K., Slump, T.M., Soares, J.C., Stein, D.J., Stein, F., Teutenberg, L., Thomas-Odenthal, F., Thomopoulos, S.I., van der Wee, N.J.A., van der Werff, S.J.A., Völzke, H., Walter, M., Whalley, H.C., Whittle, S., Wittfeld, K., Wu, M., Yang, T.T., Zarate, C., Zunta Soares, G.B., Thompson, P.M., Veltman, D.J., Pozzi, E., Schmaal, L., the ENIGMA Major Depressive Disorder Working Group, Schmidt, A. (under review at *Molecular Psychiatry*). “Decomposing neuroanatomical heterogeneity in depression: insights from an ENIGMA MDD study in 5,146 individuals.”
5. Petrie, D.J., Parr, A., Sydnor, V., **Ojha, A.**, Foran, W., Tervo-Clemmens, B., Calabro, F., Luna, B. (revising for resubmission to *Nature Communications*). “Maturation of striatal dopamine supports the development of habitual behavior through adolescence.”
6. Wang, H.R., Liu, Z., Pozzi, E., Hussain, A., Sigar, P., Abdallah, C., Alexander, N., Baker, J.T., Bauer, J., Blackford, J., Cislér, J.M., Connolly, C.G., Cotton, A., Daniels, J., Dannlowski, U., Densmore, M., deRoos-Cassini, T., Dima, D., Du Plessis, S., Etkin, A., Fani, N., Fisch, L., Fitzgerald, J., Frodl, T., Fu, C., Gonul, A.S., Gordon, E., Gotlib, I., Goya-Maldonado, R., Groenewold, N.A., Grotegerd, D., Hahn, T., Hamilton, P., Han, L., Harpaz-Rotem, I., Haswell, C., Heringa, R., Herzog, J., Ipser, J., Jahanshad, N., Jovanovic, T., Kaufman, M., Kircher, T., Konowski, M., Koopowitz, S-M., Krug, A., Krystal, J., Lanius, R., Larson, C., Lazarov, A., Lebois, L., Leehr, E., Levy, I., Li, M., Manthey, A., Maron-Katz, A., McIntosh, A., McLaughlin, K., Meinert, S., Mwangi, B., Nelson, S.M., Nenadić, I.,

Neria, Y., Neufeld, R., **Ojha, A.**, Olatunji, B., Olson, E., Opel, N., Peverill, M., Ressler, K., Ross, M., Rosso, I., Sacchet, M., Sambrook, K., Schmah, C., Seedat, S., Shenton, M., Sicorello, M., Sierk, A., Soares, J.C., Stein, D.J., Stein, F., Stein, M., Suarez-Jimenez, B., Théberge, J., Thomopoulos, S.I., Tomas, C., Usemann, P., van Den Huevel, L.L., van Rooij, S., Walter, H., Walter, M., Wang, X., Whalley, H., Winter, N.E., Wu, M-J., Xie, H., Yang, T., Zhu, X., Zilcha-Mano, S., Zunta-Soares, G.B., Frangou, S., Thompson, P., Salminen, L., Sun, D., Morey, R., Stevens, J., Schmaal, L., Ho, T.C. (submitted to *Biological Psychiatry*). "Childhood maltreatment and deviations from normative brain structure: A mega-analysis of 3,711 individuals from the ENIGMA MDD and ENIGMA PTSD working groups."

PREREGISTRATIONS (2 total: 2 co-author)

1. Gonçalves, S.F., **Ojha, A.**, Henry, T.R., Merranko, J., Diler, R., Ladouceur, C.D. (2025). "Examining associations between neural reward response, tissue iron, and mixed features depression." *OSF Registries*.
2. Henry, T.R., Versace, A., Jones, N., Joseph, H., **Ojha, A.**, Gnagy, E., Ladouceur, C.D., Molina, B. (2025). "Adults with ADHD Histories: A Stage 1 Registered Report." *PsyArXiv/OSF*. doi.org/10.31234/osf.io/23zkw_v3

INVITED TALKS (1 total: 1 first-author)

1. July 2025. *Human amygdala nuclei show distinct developmental trajectories from adolescence to adulthood in functional integration with prefrontal circuitry*. Gordon Research Seminar. Invited seminar talk. Castelldefels, Spain.

CONFERENCE PRESENTATIONS (36 total: 22 first, 14 co-author)

1. Dratva, M.A., **Ojha, A.**, Wu, G.W.Y., Rampersaud, R.R., Mellon, S.H., Reus, V.I., Irwin, M.R., Wolkowitz, O.M., Ho, T.C. (accepted). Peripheral Brain-Derived Neurotrophic Factor Predicts Rostral Anterior Cingulate Cortex Thickness Differently by Sex in Adolescents and Adults with Major Depressive Disorder. Society for Neuroscience.
2. **Ojha, A.**, Petrie, D.J., Parr, A.C., Sydnor, V.J., Foran, W., Calabro, F.J., Luna, B. (2025, September). Developmental Trajectories of Prefrontal – Nucleus Accumbens Subcircuits Support Cognitive and Affective Control Across Adolescence. Flux: Society of Developmental Cognitive Neuroscience.
3. Sullivan-Toole, H., Parr, A., Heller, C., Tervo-Clemmens, B., McCollum, R., **Ojha, A.**, Foran, W., Calabro, F., Luna, B., Larsen, B. (2025, September). Validating an Estimate of Basal Ganglia Brain Iron from Functional MRI. Flux: Society of Developmental Cognitive Neuroscience.

4. **Ojha, A.**, Foran, W., Calabro, F.J., Sydnor, V.J., Petrie, D.J., Parr, A.C., Famalette, A., Phang, N., Sista, A., Sorrells, S., Luna, B. (2025, July). Human Amygdala Nuclei Show Distinct Developmental Trajectories from Adolescence to Adulthood in Functional Integration with Prefrontal Circuitry. Gordon Research Conference: Amygdala Function in Emotion, Cognition, and Disease.
5. Parr, A.C., **Ojha, A.**, Petrie, D.J., Calabro, F.J., Tervo-Clemmens, B., Foran, W., Fitzgerald, D., Tapert, S., Nooner, K., Thompson, W., Goldston, D., Clark, D.B., Luna, B. (2025, June). Alcohol Use Relates to Variation in Tissue Iron Indices Reflecting Dopamine Neurobiology During the Transition from Adolescence to Adulthood. Research Society on Alcohol.
6. Verma, P., Petrie, D.J., Foran, W., **Ojha, A.**, Dionisos, V.O., Martinez, A., Famalette, A., Calabro, F.J., Luna, B. (2025, June). Adolescent Specific Effects of Cumulative Lifetime Stress on Affective Impulsivity. University of Pittsburgh Psychiatry Research Day 2025.
7. **Ojha, A.**, Petrie, D.J., Parr, A.C., Sydnor, V.J., Foran, W., Calabro, F.J., Luna, B. (2025, June). Developmental Trajectories of Prefrontal – Nucleus Accumbens Subcircuits Support Cognitive and Affective Control Across Adolescence. University of Pittsburgh Psychiatry Research Day 2025.
8. Parr, A.C., **Ojha, A.**, Petrie, D.J., Calabro, F.J., Tervo-Clemmens, B., Foran, W., Fitzgerald, D., Tapert, S., Nooner, K., Thompson, W., Goldston, D., Clark, D., Luna, B. (2025, June). Substance Use Trajectories Relate to Variation in Impulsivity, Inhibitory Control, and Tissue Iron Indices of Dopamine Neurobiology During the Transition from Adolescence to Adulthood. University of Pittsburgh Psychiatry Research Day 2025.
9. **Ojha, A.**, Sydnor, V.J., Foran, W., Sorrells, S.F., Calabro, F.J., Luna, B. (2024, October). Nuclei-Specific Functional Maturation of Fronto-Amygdala Circuitry Through Adolescence: Longitudinal Insights from 7 Tesla fMRI. Society for Neuroscience.
10. Parr, A.C., **Ojha, A.**, Calabro, F.J., Foran, W., Fitzgerald, D., Tapert, S.F., Nooner, K., Thompson, W., Goldston, D., Debellis, M.D., Clark, D., Luna, B. (2024, October). Characterizing the Role of Striatal Dopamine-Related Neurophysiology in Substance Use Trajectories and Response Inhibition in Youth at Risk for Problematic Substance Use. Society for Neuroscience.
11. **Ojha, A.**, Foran, W., Calabro, F.J., Sydnor, V.J., Phang, N., Sista, A., Sorrells, S.F., Luna, B. (2024, September). Nuclei-specific functional maturation of fronto-amygdala circuitry through adolescence: longitudinal insights from 7 Tesla fMRI. Flux: Society of Developmental Cognitive Neuroscience.

12. **Ojha, A.**, Sydnor, V.J., Foran, W., Phang, N., Sista, A., Sorrells, S.F., Calabro, F.J., Luna, B. (2024, June). Nuclei-Specific Functional Maturation of Fronto-Amygdala Circuitry Through Adolescence: Longitudinal Insights from 7 Tesla fMRI. University of Pittsburgh Psychiatry Research Day 2024.
13. **Ojha, A.**, Jones, N.P., Shirtcliff, E.A., Ladouceur, C.D. (2024, May). Pubertal Maturation and Hormones Influence Mesocorticolimbic Development in Youth: Implications for Sensitivity to Rewards and Punishments. Society of Biological Psychiatry.
14. Droeger A., Coury, S., **Ojha, A.**, Yuan, J.P., Gotlib, I.H., Ho, T.C. (2024, May). Higher Levels of Inflammation are Associated with Accelerated Brain Age in Adolescents. Society of Biological Psychiatry.
15. **Ojha, A.**, Henry, T., Diler, R., Ladouceur, C.D. (2024, April). Anhedonia is Associated with Altered Striatal Neurophysiology and Function in Adolescents Varying in Levels of Depression. Wisconsin Symposium on Emotion.
16. **Ojha, A.**, Jones, N.P., Shirtcliff, E.A., Ladouceur, C.D. (2023, December). Pubertal Maturation and Hormones Influence Mesocorticolimbic Development in Youth: Implications for Sensitivity to Rewards and Punishments. American College of Neuropsychopharmacology.
17. **Ojha, A.**, Jones, N.P., Shirtcliff, E.A., Ladouceur, C.D. (2023, November). Pubertal Maturation and Hormones Influence Mesocorticolimbic Development in Youth: Implications for Sensitivity to Rewards and Punishments. Developmental Affective Neuroscience Symposium.
18. **Ojha, A.**, Perica, M.I., Phang, N., Foran, W., Calabro, F., Luna, B. (2023, September). Characterizing Fronto-Amygdala Functional Connectivity Across Adolescent Development: A High-Field Longitudinal Investigation. Flux: Society of Developmental Cognitive Neuroscience.
19. **Ojha, A.**, Perica, M.I., Foran, W., Calabro, F.J., Luna, B. (2023, June). Amygdala Nuclei Resting-State Connectivity with Cortex is Associated with Cingulate Glutamate as a Function of Age in Adolescents: A High-Field Longitudinal Investigation. University of Pittsburgh Psychiatry Research Day 2023.
20. **Ojha, A.**, Jones, N.P., Henry, T., Versace, A., Lindstrom, R., Gnagy, E.M., Pelham Jr., W.E., Molina, B.S.G., Ladouceur, C.D. (2023, April). Altered Lateral Prefrontal Cortex Functioning During Emotional Interference Resistance is Associated with Affect Lability in Adults with Persisting Symptoms of ADHD from Childhood. Society of Biological Psychiatry.

21. Coury, S., **Ojha, A.**, Teresi, G.I., Gotlib, I.H., Ho, T.C. (2023, April). Lower Striatal Morphometry and Higher Levels of Inflammation Among Depressed Adolescents with Anhedonia. Society of Biological Psychiatry.
22. **Ojha, A.**, Calabro, F., Foran, W., Perica, M., Luna, B. (2022, September). Characterizing Fronto-Amygdala Circuitry Development During Adolescence: Implications for Internalizing Symptoms. Flux: Society of Developmental Cognitive Neuroscience.
23. Ho, T.C., **Ojha, A.**, Teresi, G.I., Slavich, G.M., Gotlib, I.H. (2022, September). Social Threat, Fronto-Cingulate-Limbic Morphometry, and Symptom Course in Depressed Adolescents: A Longitudinal Investigation. Flux: Society of Developmental Cognitive Neuroscience.
24. **Ojha, A.**, Parr, A.C., Foran, W., Calabro, F., Luna, B. (2022, June). Puberty-Related Maturation of Adolescent Fronto-Striatal Resting-State Functional Connectivity is Implicated in the Development of Inhibitory Control. University of Pittsburgh Psychiatry Research Day 2022.
25. 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.
26. **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.
27. 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.
28. **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.
29. **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.
30. 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.

31. 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.
32. **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.
33. **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.
34. **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.
35. **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.
36. 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.

REVIEWER

JOURNAL REVIEW

Ad-hoc Reviewer: *Psychological Medicine, Current Research in Neurobiology, Children, Biological Psychiatry: Cognitive Neuroscience and Neuroimaging, Journal of Mental Health and Clinical Psychology, Developmental Cognitive Neuroscience, Biological Psychiatry, American Journal of Psychiatry*

AWARDS/GRANTS REVIEW

Reviewer: 2025 Flux Travel Award, 2025 BGSA Travel Award Committee, 2024 BGSA Travel Award Committee, 2024 Flux Travel Award, 2022 APS Student

Grant Competition, 2021 APS Student Grant Competition, 2020 APS Student Research Award

PROFESSIONAL MEMBERSHIPS

Society for Research in Child Development (SRCD), Flux Society for Developmental Cognitive Neuroscience, Social and Affective Neuroscience Society (SANS), Society of Biological Psychiatry (SOBP), American Association for the Advancement of Science (AAAS), Association for Psychological Science (APS), Society for Neuroscience (SfN)

RESEARCH SKILLS AND QUALIFICATIONS

Programming & Software	<u>General</u> : Shell scripting, R, Matlab <u>Neuroimaging</u> : AFNI, FreeSurfer
Neuroimaging Techniques	SPGR/MPRAGE, DWI, qT1, BOLD (task/rest) fMRI, ASL, MRS (clinical + nonclinical, infants to adults)

MENTORSHIP

2023-2025	Piya Verma, B.A. Psychology (2023), Rutgers University
2023-2025	Arshia Sista, B.S. (expected 2027) Neuroscience, University of Pittsburgh
2022-2025	Natalie Phang, B.S. Neuroscience (2025), University of Pittsburgh
2018-2019	Julia Gillette, B.A. Psychology (2020), Stanford University
2017-2019	Artenisa Kulla, B.S. Human Biology (2020), Stanford University
2017-2019	Victoria Franco, B.A. Psychology (2020), Stanford University
2018	Serena Wu, B.A., M.Sc. Neuroscience and Behavior (2020), Columbia University Neuroscience (2021), McGill University
2018	Symona Stans, B.A. Psychology (2020), Cornell University

2017-2018	Tammie Hsu, B.A. Post-Baccalaureate Research Assistant, Stanford University
2017-2018	Johanna Walker, B.A. Post-Baccalaureate Research Assistant, Stanford University
2017-2018	Melanie Ngan, Post-Baccalaureate Research Assistant, Stanford University
2017-2018	Neel Rao, B.S., M.S. Computer Science (2021), Stanford University Symbolic Systems (2022), Stanford University

TEACHING

2020	Graduate Teaching Assistant , Brain and Behavior, University of Pittsburgh
2020	Guest Lecturer , Brain and Behavior ("Stress, Emotions, and Neurodevelopment"), University of Pittsburgh
2017-2019	Verbal Tutor , Compass Prep Education
2017	Redesigned Course , Intro to Neuroscience (faculty advisor: Jason Castro), Bates College
2017	Writing & Teaching Assistant , Biomedical Ethics, Bates College
2015	Tutor , Intro to Neuroscience, Bates College

MISCELLANEOUS

2016-2017	Editor-in-Chief , <i>The Bates Student</i>
2015-2016	Managing Forum Editor , <i>The Bates Student</i>
2014-2015	Assistant Forum Editor , <i>The Bates Student</i>

REFERENCES

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