

# Elvisha Dhamala, PhD

Feinstein Institutes for Medical Research, Northwell Health  
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## ACADEMIC APPOINTMENTS

- 2023- **Assistant Professor**  
Institute of Behavioral Science  
Feinstein Institutes for Medical Research, Manhasset, NY
- 2023- **Assistant Professor**  
Department of Psychiatry  
Donald and Barbara Zucker School of Medicine at Hofstra/Northwell, Hempstead, NY
- 2021-2023 **Postdoctoral Associate**  
Department of Psychology  
Yale University, New Haven, USA

## EDUCATION

- 2021 **Ph.D. (Neuroscience)**  
Weill Cornell Medicine, New York, USA  
*Multimodal Connectome Mapping of Sex Differences and Cognitive Abilities:  
A Machine Learning Approach*
- 2017 **B.Sc. (Neuroscience)**  
McGill University, Montreal, Canada

## RESEARCH FUNDING

- 2025 **Special Program for Researchers Facing Restrictions on Academic Freedom**  
Baden-Württemberg Foundation  
Role: PI | Amount awarded: €1,800,000 EUR | Awarded (not yet accepted)
- 2025 **Margaret Crotty Career Development Award**  
Advancing Women in Science and Medicine, Northwell Health  
Role: PI | Amount awarded: \$25,000 USD
- 2025-2027 **Young Investigator Grant**  
Brain & Behavior Research Foundation/NARSAD  
Role: PI | Amount awarded: \$70,000 USD
- 2023 **Emerging Scientist Award**  
Feinstein Institutes for Medical Research  
Role: PI | Amount awarded: \$150,000 USD
- 2023 **Beth and Peter Hammack Career Development Award**  
Advancing Women in Science and Medicine, Northwell Health  
Role: PI | Amount awarded: \$25,000 USD
- 2023-2025 **Early Investigator Career Enhancement Program**  
Yale School of Medicine SCORE on Sex Differences in Alcohol Use Disorder  
Role: PI | Amount awarded: \$84,000 USD | Declined

2021-2023 **Postdoctoral Fellowship for Academic Diversity**  
Kavli Institute for Neuroscience, Yale University  
Role: PI | Amount awarded: \$130,000 USD

## HONORS AND AWARDS

2025 **Diversity and Inclusivity Champion Award**, Organization for Human Brain Mapping  
2025 **Travel Fellowship Award**, Society of Biological Psychiatry  
2024 **Top 5 Advances of 2024 Award**, Northwell Health  
2024 **Educational Achievement Award**, Advancing Women in Science and Medicine, Northwell Health  
2023 **Best Paper Award**, Aperture Neuro, Organization for Human Brain Mapping  
2023 **Travel Award**, International Brain Research Organization  
2023 **Merit Abstract Award**, Organization for Human Brain Mapping  
2022 **Rising Star in Engineering in Health**, Johns Hopkins University and Columbia University  
2022 **Travel Award**, Advanced Computational Neuroscience Network  
2020 **Graduate Student Award**, Cognitive Neuroscience Society

## PUBLICATIONS

\* denotes equal contributions. † denotes mentee author.

1. \*†Pearlman A, \*†Abell A, \*†Jauhar P, †Christensen E, **Dhamala E**. 2026. Understanding Sex and Gender Effects on Autism Spectrum Disorder and Obsessive-Compulsive Disorder: Clinical Presentation and Risks. ***Biological Psychiatry: Global Open Science***.
2. **Dhamala E**, †Christensen E, Hanson JL, Ricard JA, †Arcaro N, †Bhola S, †Wiersch L, †Brosch K, Yeo BTT, Holmes AJ, Yip SW. 2026. Neuroanatomy Reflects Individual Variability in Youth. ***Molecular Psychiatry***. PMID: 41876706 | DOI: 10.1038/s41380-026-03526-2
3. da Costa MP, de Cates AN, **Dhamala E**, McAlonan GM, Uptegrove R, Comasco E. 2026. Women at the heart of mental science: commentary. ***The British Journal of Psychiatry***. PMID: 41668430 | DOI: 10.1192/bjp.2025.10516
4. **Dhamala E**. 2026. The Power of Community. ***Aperture Neuro***. DOI: 10.52294/001c.154738
5. Tsomokos DI, McLaughlin KA, Whittle S, Mehta MA, **Dhamala E**, Rakesh D. 2025. Socioeconomic Disadvantage, Pubertal and Brain Development, and Internalizing Problems in Adolescence: A Longitudinal Investigation. ***Biological Psychiatry: Cognitive Neuroscience and Neuroimaging***. PMID: 41482252 | DOI: 10.1016/j.bpsc.2025.12.010
6. Heller C, **Dhamala E**, Bottenhorn KL, Herting MM, Bossé B, De La Rosa JS, Farland LV, Allen AM, Barth C, Petersen N. 2025. Hormonal contraceptive intake during adolescence and cortical brain measures in the ABCD Study. ***npj Women's Health***. DOI: 10.1038/s44294-025-00105-8
7. †Brosch K, †Christensen E, †Wiersch L, Hagen D, Orchard W, D'Anna-Hernandez K, Stolzenberg DS, **Dhamala E**. 2025. Commentary on "Having two children might be best for women's mental health: Evidence from UK Biobank". ***Journal of Affective Disorders***. PMID: 40516615 | DOI: 10.1016/j.jad.2025.119687
8. Rubio JM, **Dhamala E**. 2025. Mechanistic and predictive implications of transdiagnostic features of the connectome. ***Biological Psychiatry***. PMID: 40379391 | DOI: 10.1016/j.biopsych.2025.03.009

9. **Dhamala E**, Rubio JM. 2025. Persistent Brain Network Signatures in Psychosis: Implications for Diagnosis, Prognosis, and Treatment. **Neuropsychopharmacology**.  
PMID: 40044753 | DOI: 10.1038/s41386-025-02079-2
10. Qu Y, Chen J, Tam A, Ooi LQR, Yeo BTT, **Dhamala E**, Cocuzza C, Lawhead C, Holmes AJ. 2025. Distinct brain network features predict internalizing and externalizing traits in children, adolescents, and adults. **Nature Mental Health**.  
PMID: 37292775 | DOI: 10.1038/s44220-025-00388-5
11. **Dhamala E**, Ricard JA, Uddin LQ, Galea LAM, Jacobs EG, Yip SW, Yeo BTT, Chakravarty MM, Holmes AJ. 2025. Considering the interconnected nature of social identities in neuroimaging research. **Nature Neuroscience**.  
PMID: 39730766 | DOI: 10.1038/s41593-024-01832-y
12. Zhang XH, Anderson KM, Dong HM, Chopra S, **Dhamala E**, Emani PS, Gerstein MB, Margulies D, Holmes AJ. 2025. The cell-type underpinnings of the human functional cortical connectome. **Nature Neuroscience**.  
PMID: 39572742 | DOI: 10.1038/s41593-024-01812-2  
*Highlighted in Wagstyl K, Raznahan A. 2024. Nature Neuroscience.*
13. †Brosch K, **Dhamala E**. 2024. Influences of Sex and Gender on the Associations Between Risk and Protective Factors, Brain, and Behavior. **Biology of Sex Differences**.  
PMID: 39593154 | DOI: 10.1186/s13293-024-00674-4
14. Chopra S, **Dhamala E**, Lawhead C, Ricard JA, Orchard E, An L, Chen P, Wulan N, Kumar P, Rubenstein A, Moses J, Chen L, Levi P, Holmes A, Aquino K, Fornito A, Harpaz-Rotem I, Germine L, Baker JT, Yeo BTT, Holmes AJ. 2024. Generalizable and replicable brain-based predictions of cognitive functioning across common psychiatric illness. **Science Advances**.  
PMID: 39504381 | DOI: 10.1126/sciadv.adn1862
15. Ricard JA, Labache L, Segal A, **Dhamala E**, Cocuzza C, Jones G, Yip S, Chopra S\*, Holmes AJ\*. 2024. A shared spatial topography links the functional connectome correlates of cocaine use disorder and dopamine D2/3 receptor densities. **Communications Biology**.  
PMID: 39300138 | DOI: 10.1038/s42003-024-06836-9
16. **Dhamala E**, Bassett DS, Yeo BTT, Holmes AJ. 2024. Functional brain networks are associated with both sex and gender in children. **Science Advances**.  
PMID: 38996031 | DOI: 10.1126/sciadv.adn4202  
*Highlighted in Bon GM, Kraft D, Kaufmann T. 2024. Science Advances.*
17. Rubio J, Lencz T, Cao H, Kraguljac N, **Dhamala E**, Homan P, Horga G, Sarpal D, Argyelan M, Gallego J, Cholewa J, Barber A, Kane J, Malhotra AK. 2024. Replication of a neuroimaging biomarker for striatal dysfunction in psychosis. **Molecular Psychiatry**.  
PMID: 38177349 | DOI: 10.1038/s41380-023-02381-9
18. Chopra S, Labache L, **Dhamala E**, Orchard ER, Holmes AJ. 2023. A Practical Guide for Generating Reproducible and Programmatic Visualizations. **Aperture Neuro**.  
DOI: 10.52294/001c.85104  
*Awarded the 2023 Aperture Neuro Best Paper Award.*
19. **Dhamala E**, Ooi LQR, Chen J, Ricard JA, †Berkeley E, Chopra S, Qu Y, Zhang X, Lawhead C, Yeo BTT, Holmes AJ. 2023. Brain-based prediction of psychiatric illness-linked behaviors across the sexes. **Biological Psychiatry**.  
PMID: 37031778 | DOI: 10.1016/j.biopsych.2023.03.025  
*Highlighted in Narr KL, Leaver AM. 2023. Biological Psychiatry.*

20. \*<sup>†</sup>Bukhari H, \*Su C, **Dhamala E**, Gu Z, Jamison KW, Kuceyeski A. 2023. Graph-matching distance between individuals' functional connectomes varies with relatedness, age, and cognitive score. **Human Brain Mapping**.  
PMID: 37042411 | DOI: 10.1002/hbm.26296
21. **Dhamala E**, Yeo BTT, Holmes AJ. 2023. One size does not fit all: methodological considerations for brain-based predictive modeling in psychiatry. **Biological Psychiatry**.  
PMID: 36577638 | DOI: 10.1016/j.biopsych.2022.09.024
22. \*Ricard JA, \*Parker TC, **Dhamala E**, Kwasa J, Allsop AS, Holmes AJ. 2023. Confronting racially exclusionary practices in the acquisition and analyses of neuroimaging data. **Nature Neuroscience**.  
PMID: 36564545 | DOI: 10.1038/s41593-022-01218-y  
*Featured on the cover of the January 2023 issue.*
23. Ooi LQR, Chen J, Shaoshi Z, Kong R, Tam A, Li J, **Dhamala E**, Zhou JH, Holmes AJ, Yeo BTT. 2022. Comparison of individualized behavioral predictions across anatomical, diffusion and functional connectivity MRI. **NeuroImage**.  
PMID: 36116616 | DOI: 10.1016/j.neuroimage.2022.119636
24. **Dhamala E**, Ooi LQR, Chen J, Kong R, Anderson KM, Yeo BTT, Holmes AJ. 2022. Proportional intracranial volume correction differentially biases behavioral predictions across neuroanatomical features and populations. **NeuroImage**.  
PMID: 35843514 | DOI: 10.1016/j.neuroimage.2022.119485
25. **Dhamala E**, Jamison KW, Jaywant A, Kuceyeski A. 2022. Shared functional connections within and between cortical networks predict individual cognitive abilities in males and females. **Human Brain Mapping**.  
PMID: 34811849 | DOI: 10.1002/hbm.25709
26. **Dhamala E**, Jamison KW, Jaywant A, <sup>†</sup>Dennis S, Kuceyeski A. 2021. Distinct functional and structural connections predict crystallised and fluid cognition in healthy adults. **Human Brain Mapping**.  
PMID: 33830577 | DOI: 10.1002/hbm.25420
27. Cha J, Speaker S, Hu B, Altinay M, Koirala P, Karne H, Spielberg J, Kuceyeski A, **Dhamala E**, Anand A. 2021. Neuroimaging correlates of emotional response-inhibition discriminate between young depressed adults with and without sub-threshold bipolar symptoms (Emotional Response-inhibition in Young Depressed Adults). **Journal of Affective Disorders**.  
PMID: 33341013 | DOI: 10.1016/j.jad.2020.12.037
28. **Dhamala E**, Jamison KW, Sabuncu MR, Kuceyeski A. 2020. Sex classification using long-range temporal dependence of resting-state functional MRI time series. **Human Brain Mapping**.  
PMID: 32627300 | DOI: 10.1002/hbm.25030
29. **Dhamala E**, Abdelkefi I, Nguyen M, Hennessy TJ, Nadeau H, Near J. 2019. Validation of in vivo MRS measures of metabolite concentrations in the human brain. **NMR in Biomedicine**.  
PMID: 30663818 | DOI: 10.1002/nbm.4058  
*Top 10% most downloaded in NMR in Biomedicine 2018-19.*

## PRE-PRINTS AND MANUSCRIPTS IN PREPARATION

\* denotes equal contributions. <sup>†</sup> denotes mentee author.

1. <sup>†</sup>Wiersch L, <sup>†</sup>Brosch K, <sup>†</sup>Christensen E, **Dhamala E**. (Submitted). Investigating the impact of stressful life events on neuroanatomy across adolescence. *BioRxiv preprint*.  
DOI: 10.64898/2026.05.06.723376

2. Crestol A, MacSweeney N, Tissink E, **Dhamala E**, Oppenheimer H, Westlye LT, Andreassen OA, Agartz I, Tamnes CK, Barth C. (In preparation). Joint contributions of genetic risk and pubertal maturation to internalizing symptoms in adolescents.
3. \*Zeng T, \*Li H, \*Zhang S, Tan YQ, Tian F, Orban C, An L, Che W, Chen J, Chong JSX, Dehestani N, Dong Z, Li X, Li Z, Lim MJR, Lin Y, Ling Q, Ling Z, Low XZ, Mansour L S, Ng EKK, Nguyen TT, Ooi LQR, Pande S, Qian X, Ruan J, Wang Z, Xie Y, Zhang C, Zhang Y, Patil K, Parkes L, **Dhamala E**, Chopra S, Zalesky A, Holmes A, Eickhoff S, Zhou JH, Renaud O, Dosenbach N, Kording K, Bzdok D, \*Nichols TE, \*Yeo BTT. (Submitted). Widespread use of invalid statistical tests in biomedical machine learning.
4. †Christensen E, †Wiersch L, Wang M, McPherson B, Shearer H, Noble S, †Lam K, \*Poline JB, \***Dhamala E**. (In Revision). Effect Sizes for Brain-Based Predictive Models of Cognition Across the Lifespan.
5. Xie Y, Zhang S, Orban C, Ooi LQR, Kong R, Floris DL, Zuo XN, **Dhamala E**, Holmes AJ, Uddin LQ, Nichols TE, Di Martino A, Yeo BTT. (In Revision). Convergent and divergent brain–cognition relationships during development revealed by cross-sectional and longitudinal analyses in the ABCD Study. *BioRxiv preprint*. DOI: 10.1101/2025.06.06.658294
6. †Brosch K, †Wiersch L, †Christensen E, Rakesh D, Hanson JL, Schwartz RM, **Dhamala E**. (In Revision). Shared Neural Signatures of Socioeconomic Status, Scarcity, and Neighborhood Threat in Youth. *BioRxiv preprint*. DOI: 10.1101/2025.06.11.659188
7. †Brosch K, Hammes V, Usemann P, Stein F, Zika S, Schrott F, Thomas-Odenthal F, Teutenberg L, Meinert S, Thiel K, Flinkenflugel K, Schurmeyer N, Goltermann J, Leehr EJ, Bonnekoh LM, Grotegerd D, Winter N, Hahn T, Straube B, Jamalabadi H, Jansen A, Krug A, Dannowski U, Nenandic I, **Dhamala E**, Kircher T, Alexander N. (In Revision). Unique neural signatures of childhood sexual abuse revisited. *MedRxiv preprint*. DOI: 10.1101/2025.02.10.25322009
8. Patrick LM, Kong R, **Dhamala E**, Anderson KM, Yeo BTT, Holmes AJ. (In Revision). Spatial variability in cortical thickness reflects the large-scale functional architecture of the human brain.
9. **Dhamala E**, Kuceyeski A. (Submitted). The Influence of Sex on the Neurobiological Correlates of Brain Disorders.
10. Sultana T, Ijaz D, Khan FA, Misaal M, **Dhamala E**, Razi A. (In Revision). Sex-specific brain effective connectivity patterns associated with negative emotions. *BioRxiv preprint*. DOI: 10.1101/2024.04.02.587489
11. **Dhamala E**, Chopra S, Ooi LQR, Rubio JM, Yeo BTT, Malhotra AK, Holmes AJ. (In Revision). Brain network features reflect early, sex-specific markers of psychotic-like experiences in youth. *BioRxiv preprint*. DOI: 10.1101/2024.04.22.590660

#### TEXTBOOK CHAPTERS

1. Thompson JW, Kosofsky B, **Dhamala E**, Duggan, R. 2020. Electrophysiology monitoring. *Biomarkers for Traumatic Brain Injury*, pp.113-142. ISBN: 9780128163467

#### SCIENCE COMMUNICATION

1. **Dhamala E**. 2025. Deleting data or stopping its collection will erase years of valuable brain research. *The Transmitter*. DOI: 10.53053/EBYH7469

#### PRESENTATIONS: ORAL SESSIONS, SYMPOSIA, ROUNDTABLES

\* denotes equal contributions. † denotes mentee author.

1. Raznahan A, Lerch J, Tollkuhn J, **Dhamala E**. 2026. Combining Species and Scales to Illuminate Sex-Biased Brain Organization and Intersections with Psychiatric Risk. Symposium Presenter. *American College of Neuropsychopharmacology*. January 2026; Nassau, Bahamas.
2. Serio B, Valk S, **Dhamala E**, Raznahan A, Barth C. Leveraging computational methods and large datasets to study sex differences in multiscale human brain organization across the lifespan, in health and disease. Symposium Presenter. *Organization for the Study of Sex Differences*. June 2025; Albuquerque, New Mexico.
3. **Dhamala E**, Cheng RHA, †Wiersch L, Khokhar J, Keller A. 2025. Does One Size Fit All? Subgroup Modeling of Brain-Behavior Relationships in Psychiatry. Symposium Chair. *Society of Biological Psychiatry*. April 2025; Toronto, Canada.
4. Raznahan A, Kundakovic M, Lerch J, **Dhamala E**. 2025. Sex and Biological Psychiatry: New Perspectives from Crossing Species and Brain Scales. Symposium Co-Chair and Presenter. *Society of Biological Psychiatry*. April 2025; Toronto, Canada.
5. Stolzenberg DS, **Dhamala E**, Beery A, D'Anna-Hernandez K. 2025. Toward Inclusive Science: How Bias in Research is a Barrier to Human Health Equity and What We Can Do About It. Symposium Presenter. *Winter Conference on Issues in Developmental Psychobiology*. January 2025; St. Kitts, St. Kitts and Nevis.
6. **Dhamala E**, Ricard JA, Garza E, †Christensen E. Fostering Inclusivity in Neuroimaging Research. Roundtable Chair & Presenter. *Organization for Human Brain Mapping*. June 2024; Seoul, Korea.
7. Derntl B, Barth C, **Dhamala E**, Wierenga LM, Grahlow M, Subramaniapillai S. Brains in transition: the effect of sex and gender. Symposium Presenter. *Organization for the Study of Sex Differences*. May 2024; Bergen, Norway.
8. **Dhamala E**. Poster Talk. Sex Differences in the Functional Network Correlates of Childhood Psychosis-Like Experiences. *Molecular Psychiatry Meeting*. March 2024; Kailua-Kona, USA.
9. **Dhamala E**, Sanchis-Segura C, Barth C, van Eijk L. Sex differences in brain and behavior. Symposium Chair & Presenter. *Organization for Human Brain Mapping*. July 2023; Montreal, Canada.
10. Pergola G, Calhoun V, Passiatore R, **Dhamala E**, Kim M. Interindividual variability in brain-behavior relationships supports individualized perspectives on mental health. Symposium Presenter. *Society for Biological Psychiatry*. April 2023; San Diego, USA.
11. **Dhamala E**. Methodological considerations for predictive modelling using big data. Lightning Talk. *Big Data Neuroscience Workshop*; September 2022; Austin, USA.
12. **Dhamala E**, Holmes AJ. Psychiatric neuroimaging: methods and applications. Oral Session Chair. *Organization for Human Brain Mapping*. June 2022; Glasgow, UK.
13. **Dhamala E**, Calhoun VD. Multivariate approaches: from methods to applications. Oral Session Chair. *Organization for Human Brain Mapping*. June 2022; Glasgow, UK.
14. **Dhamala E**, Holmes AJ, Chen J, Li J, Keller A. Machine learning in neuroimaging: from application to interpretation. Symposium Chair & Presenter. *Organization for Human Brain Mapping*. June 2022; Glasgow, UK.
15. Holmes AJ, Uddin LQ, **Dhamala E**, Bzdok D, Yip S. The future of psychiatry: promises and pitfalls in the use of big data. Symposium Presenter. *Society for Biological Psychiatry*. April 2022; New Orleans, USA.
16. **Dhamala E**. Modelling and Analysis - Connectivity. Poster Session Moderator. *Organization for Human Brain Mapping*; June 2021; Virtual due to COVID.
17. **Dhamala E**. Higher Cognitive Function. Poster Session Moderator. *Organization for Human Brain Mapping*; June 2021; Virtual due to COVID.

18. **Dhamala E**, Jamison KW, Jaywant A, Kuceyeski A. Shared functional connectivity features underlie cognitive abilities in males and females. Oral Presentation. *Weill Cornell Medicine, Vincent du Vigneaud Research Symposium*; April 2021; Virtual due to COVID.
19. **Dhamala E**, Jamison KW, †Dennis SM, Patel R, Chakravarty MM, Kuceyeski A. Hybrid structure-function connectome predicts individual cognitive abilities. Oral Power Pitch. *International Society of Magnetic Resonance in Medicine*; August 2020; Virtual due to COVID.
20. **Dhamala E**, Khosla M. Machine Learning in Neuroimaging. Breakout Session Leaders: Women in Machine Learning Un-Workshop. *International Conference on Machine Learning*. July 2020; Virtual due to COVID.

## PRESENTATIONS: SELECTED POSTERS

\* denotes equal contributions. † denotes mentee author.

1. †Arcaro N, †Bhola S, **Dhamala E**. Predictors and Structural Brain Differences Associated with Depressive Symptoms in Adolescents. *Association for Behavioral and Cognitive Therapies 59th Annual Convention*. November 2025; New Orleans, USA.
2. †Arcaro N, **Dhamala E**. Depressive Symptoms in Adolescence: Associations with Psychosocial Factors and Brain Structure. *Council of University Directors of Clinical Psychology: Demystifying Clinical Psychology*. May 2025; Virtual.
3. †Brosch K, †Wiersch L, †Christensen E, **Dhamala E**. Tracking the Impact of Childhood Adversity on Brain Development: Longitudinal Findings from the ABCD Study. *Society of Biological Psychiatry*. April 2024; Toronto, Canada.
4. †Wiersch L, **Dhamala E**. Sex Differences in the Association of Life Events and Structural Brain Measures. *Society of Biological Psychiatry*. April 2024; Toronto, Canada.
5. †Arcaro N, †Brosch K, **Dhamala E**. Neural Correlates of Autism Spectrum Disorder-Linked Traits in Children. *Society of Biological Psychiatry*. April 2024; Toronto, Canada.
6. **Dhamala E**, Chopra S, Ooi LQR, Rubio J, Yeo BTT, Malhotra AK, Holmes AJ. Sex Differences in the Functional Network Underpinnings of Psychotic-Like Experiences in Children. *Society of Biological Psychiatry*. April 2024; Toronto, Canada.
7. Rubio J, **Dhamala E**, Lencz T, Takahashi K, Nakajima S, Bassaw F, Ventura G, Sadri M, Kane J, Malhotra AK. Corticostriatal Functional Connectivity and Longitudinal Symptom Trajectory During Guaranteed Treatment Delivery in Schizophrenia. *American College of Neuropsychopharmacology*. December 2024; Phoenix, USA.
8. †Arcaro N, **Dhamala E**. Sex Differences in ASD- and ADHD- Associated Behaviors Across Adolescent Development. *Feinstein Institutes Clinical Research Professionals Poster Session*. September 2024; Hempstead, USA.
9. **Dhamala E**, Bassett DS, Yeo BTT, Holmes AJ. Functional brain networks are associated with both sex and gender in children. *Organization for Human Brain Mapping*. June 2024; Seoul, South Korea.
10. **Dhamala E**, Chopra S, Ooi LQR, Rubio J, Yeo BTT, Malhotra AK, Holmes AJ. Sex differences in the functional network correlates of childhood psychosis-like experiences. *American College of Neuropsychopharmacology*. December 2023; Tampa, USA.
11. Rubio J, Lencz T, Cao H, Kraguljac N, **Dhamala E**, Homan P, Horga G, Sarpal D, Argyelan M, Gallego J, Cholewa J, Barber A, Kane J, Malhotra A. Replication of a neuroimaging biomarker for striatal dysfunction in psychosis. *American College of Neuropsychopharmacology*. December 2023; Tampa, USA.
12. **Dhamala E**, Ooi LQR, Chen J, Ricard JA, †Berkeley E, Chopra S, Qu Y, Lawhead C, Yeo BTT, Holmes AJ. Shared functional connections predict distinct psychiatric illness-linked behaviors across the sexes. *Organization for Human Brain Mapping*. June 2023; Montreal, Canada.

13. †Berkeley E, **Dhamala E**, Holmes AJ. The role of the amygdala in predicting aggression in children and adolescents. *Faculty for Undergraduate Neuroscience Poster Session at Society for Neuroscience*; November 2022; San Diego, USA.
14. Ricard JA, Labache L, Chopra S, **Dhamala E**, Harnett N, Jones G, Yip SW, Holmes AJ. The network-level correlates of cocaine use disorder. *Society for Neuroscience*; November 2022; San Diego, USA.
15. **Dhamala E**, Ooi LQR, Qu Y, Ricard J, Berkeley E, Yeo BTT, Holmes AJ. White matter connectivity differentially predicts mental health traits in children and adolescent males and females. *Society for Neuroscience*. November 2022; San Diego, USA.
16. Wu E, Olafson E, **Dhamala E**, Pritschet L, Santander T, Jacobs EG, Kuceyeski A. Estradiol and progesterone relate to brain state dynamics. *Organization for Human Brain Mapping*. June 2022; Glasgow, UK.
17. **Dhamala E**, Ooi LQR, Chen J, Kong R, Anderson KM, Yeo BTT, Holmes AJ. Intracranial volume correction differentially biases behavioral predictions across neuroanatomical features and populations. *Society for Biological Psychiatry*. April 2022; New Orleans, USA.
18. **Dhamala E**, Kong R, Anderson KM, Ooi LQR, Chen J, Yeo BTT, Holmes AJ. Anatomical properties of individual-specific areal-level parcellations predict cognition and behaviour. *Society for Neuroscience*; November 2021; Virtual due to COVID-19.
19. **Dhamala E**, Jamison KW, Jaywant, A, Kuceyeski A. Shared functional connectivity features predict individual cognitive abilities in males and females. *Organization for Human Brain Mapping*; June 2021; Virtual due to COVID-19.  
*Featured in the Modelling and Analysis - Multivariate Approaches session.*
20. †Wu E, **Dhamala E**, Pritschet L, Santander T, Jacobs E, Kuceyeski A. Increased sex hormones are associated with increased segregation of functional connectivity networks. *Organization for Human Brain Mapping*; June 2021; Virtual due to COVID-19.  
*Featured in the Social Neuroscience, Emotion, and Motivation session.*
21. †Cai C, **Dhamala E**, Pritschet L, Santander T, Jacobs E, Kuceyeski A. Fluctuations in estradiol and progesterone are not related to high amplitude co-fluctuations in fMRI. *Organization for Human Brain Mapping*; June 2021; Virtual due to COVID-19.
22. **Dhamala E**, Jamison KW, †Dennis SM, Patel R, Chakravarty MM, Kuceyeski A. Hybrid-structure-function connectome predicts crystallised and fluid cognition. *Cognitive Neuroscience Society*; May 2020; Virtual due to COVID-19.

## INVITED RESEARCH TALKS

- 2025 Cole Neurocognition Lab, Rutgers University, Newark, USA
- 2025 Centre for Addiction and Mental Health, Toronto, Canada
- 2025 Psychiatry Grand Rounds, Zucker Hillside Hospital/Northwell Health, Glen Oaks, USA
- 2024 Psychology Colloquium Series, Northeastern University, Boston, USA
- 2024 Sex Differences in Addiction: An International Consensus Workshop, Virtual
- 2024 Summer Interns Lecture Series, Feinstein Institutes for Medical Research, Manhasset, USA
- 2024 Max Planck University College London Centre for Computational Psychiatry and Ageing, London, UK
- 2024 womenmind Conference, Centre for Addiction and Mental Health, Toronto, Canada
- 2024 Powers Lab, Yale University, New Haven, USA
- 2023 MD-PhD Research Seminar Series, Feinstein Institutes for Medical Research, Manhasset, USA
- 2023 Laboratory of Brain and Cognition, McGill University, Montreal, Canada
- 2023 Cerebral Imaging Centre Lecture Series, Douglas Hospital, Montréal, Canada
- 2023 Feindel Seminar Series, Montreal Neurological Institute, Montreal, Canada

- 2023 Women's Health Seminar Series, University of British Columbia, Vancouver, Canada
- 2023 Resting State Brain Connectivity Conference, University of Texas at Dallas, Dallas, USA
- 2023 Fe|Male Brain Symposium, University of Tübingen, Tübingen, Germany
- 2023 NeuroPhysics and Systems Neuroscience Lab, Georgia State University, Atlanta, USA
- 2023 Cognitive Neuroscience Seminar, Yale University, New Haven, USA
- 2023 Yale Translational Alcohol Research Program Seminar Series, Yale University, New Haven, USA
- 2023 Centre for Sleep and Cognition Seminar Series, National University of Singapore, Singapore
- 2022 Symposium on Neuroimaging and Neurophysics Research, Georgia State University, Atlanta, USA
- 2022 Neuromodulation & Neuroimaging Seminar Series, University of Pennsylvania, Philadelphia, USA
- 2022 Yale Magnetic Resonance Research Center Seminar Series, Yale University, New Haven, USA
- 2022 Cornell NIH First Future Faculty Symposium, Cornell University, Ithaca, USA
- 2022 Research Seminar Series, Zucker Hillside Hospital, Glen Oaks, USA
- 2022 Current Works in Behavior, Genetics, and Neuroscience Seminar Series, Yale University, New Haven, USA
- 2022 Open Science Sciencepalooza, Virtual
- 2021 Yale Imaging and Psychopharmacology Lab, Yale University, New Haven, USA
- 2021 Cognitive Neuroscience Seminar, Yale University, New Haven, USA
- 2021 Brain Health Imaging Institute Seminar Series, Weill Cornell Medicine, New York, USA
- 2020 Cerebral Imaging Centre Lecture Series, Douglas Hospital, Montréal, Canada
- 2020 Cognitive Neuroscience Seminar, Yale University, New Haven, USA
- 2020 Rajah Lab, Douglas Mental Health University Institute, Montréal, Canada
- 2020 Jacobs Lab, University of California Santa Barbara, Santa Barbara, USA
- 2020 Early Career BIPOC Scholars in Neuropsychology Series, Ohio State University, Columbus, USA
- 2020 Frontiers in Neuropsychiatry Seminar, Weill Cornell Medicine, New York, USA
- 2020 Progress in Neuroscience Seminar, Weill Cornell Medicine, New York, USA
- 2019 Matteson Lab, Cornell University, Ithaca, USA
- 2019 Psychiatric and Developmental Imaging Lab, University of Pennsylvania, Philadelphia, USA

## **INVITED PANELS**

- 2025 Research Funding and Policy Considerations, Tübingen, Germany
- 2025 Incentives for Open Science, Organization for Human Brain Mapping, Brisbane, Australia
- 2024 Grant-Writing Panel for Psychiatry Residents and Postdocs, Zucker Hillside Hospital, Glen Oaks, USA
- 2024 Career Panel, Flux Congress, Baltimore, USA
- 2024 Career Panel for Psychiatry Residents and Postdocs, Zucker Hillside Hospital, Glen Oaks, USA
- 2023 Women in Psychology Panel, Yale University, New Haven, USA
- 2022 Neurathon Neuroscience Workshop Series: Science Communication, Simply Neuroscience, Virtual
- 2022 Alumni Panel on Preparing for Career Paths Post PhD, Weill Cornell Medicine, New York, USA
- 2021 Building Allyship Series: Understanding and Combating Anti-Asian Racism, Cornell University, Ithaca, USA
- 2021 Open Science Room: Challenges with Meeting Formats, Organization for Human Brain Mapping, Virtual
- 2021 BrainHack: Data Visualisation and Machine Learning, Organization for Human Brain Mapping, Virtual
- 2020 Building Allyship Series: Dangers of Performative Allyship, Cornell University, Ithaca, USA

## **TEACHING**

- 2025-2026 **Teaching Fellow, ABCD ReproNim Course**  
Florida International University
- 2025 **Lecturer, Fe|Male Brain Summer School**

University of Tübingen  
 2025 **Guest Lecturer, Research Seminar in Neuroscience**  
 Hofstra University  
 2025 **Guest Lecturer, Neuroimaging in the Psychological Sciences**  
 University of Miami  
 2024- **Guest Lecturer, Residency Research Training Program**  
 Zucker Hillside Hospital  
 2023- **Mentor, Psychiatry Residency Training R2 Research Mentorship Program**  
 Zucker Hillside Hospital  
 2020-2021 **Instructor, Human Brain and Mind (HD 2200)**  
 Cornell University - Cornell Prison Education Program  
 Spring 2020: Auburn Correctional Facility  
 Fall 2020: Cayuga Correctional Facility  
 Spring 2021: Five Points Correctional Facility

## **MENTORING**

### **Feinstein Institutes for Medical Research**

2026 Evie Loewy (summer high school student)  
 2026 Aliya Vadhan (summer high school student)  
 2026 Leena Mathai (summer undergraduate student)  
 2026 Carly Nugent (summer undergraduate student)  
 2025 Kylie Lam (summer high school student)  
 2025 Pia Jauhar (summer high school student)  
 2025 Amelia Abell (summer undergraduate student)  
 2025 Allison Pearlman (summer undergraduate student)  
 2025- Simran Bhola (clinical research coordinator)  
 2024- Noelle Arcaro (clinical research coordinator)  
 2024 Lyra-Anne Ku (summer high school student)  
 2024- Lisa Wiersch (postdoctoral researcher)  
 2024-2026 Erynn Christensen (postdoctoral researcher)  
 2023-2025 Katharina Brosch (postdoctoral researcher)  
 2023 Ella Moskowitz (summer undergraduate student)

### **Yale University**

2022 Emily Berkeley (summer undergraduate student)

### **Weill Cornell Medicine**

2021-2022 Hussain Bukhari (graduate rotation student)

### **Cornell University**

2020-2021 Catherine Cai (undergraduate student)  
 2020-2021 Elaine Wu (undergraduate student)  
 2020-2021 Saanvi Somani (high school student)  
 2020 Jason Chen (undergraduate student)  
 2019 Sarah Dennis (undergraduate student)

### **Other**

2024 Arielle Crestor: University of Oslo, Norway - PhD Candidate Mid-Term Evaluator

2020-2024 Organization for Human Brain Mapping: International Mentoring Program Mentor

### **HONORS AND AWARDS TO MENTEES**

2026 Feinstein Institutes Summer Intern Fellowship (Carly Nugent)  
2025 American Psychological Foundation SEE-Diversity to Success Workshop Travel Award (Erynn Christensen)  
2025 Feinstein Institutes Summer Intern Fellowship (Allison Pearlman)  
2025 Northwell Health Advancing Women in Science and Medicine Collaboration Award (Erynn Christensen)  
2025 Northwell Health Advancing Women in Science and Medicine Young Investigator Award (Katharina Brosch, Lisa Wiersch)  
2025 Northwell Health Annual Academic Competition & Research Symposium Outstanding Poster Presentation Award (Noelle Arcaro)  
2025 ABCD Insights & Innovations Meeting Travel Award (Katharina Brosch, Lisa Wiersch)  
2025 ABCD Insights & Innovations Meeting Travel Award (Katharina Brosch)  
2025 Feinstein Institutes for Medical Research International Travel Grant (Noelle Arcaro)  
2024 International Brain Research Organization Travel Award (Katharina Brosch, Erynn Christensen)  
2024 Northwell Health Advancing Women in Science and Medicine Educational Achievement Award (Katharina Brosch)  
2023 Feinstein Institutes Summer Intern Fellowship (Ella Moskowitz)  
2022 Yale University Kavli Institute for Neuroscience Summer Undergraduate Research Fellowship (Emily Berkeley)

### **EDITORIAL SERVICE**

2026- Aperture Neuro: Editorial Board Member  
2025- Biological Psychiatry: Social Media Editor

### **AD HOC REVIEWER SERVICE**

American Journal of Psychiatry	Developmental Cognitive Neuroscience	Nature Neuroscience
ApertureNeuro	eNeuro	Network Neuroscience
Biological Psychiatry	Frontiers in Neuroscience	NeuroImage
Biological Psychiatry: Cognitive Neuroscience and Neuroimaging	GeroScience	Neuropsychobiology
Biological Psychiatry: Global Open Science	Heliyon	Neuropsychopharmacology
Biology of Sex Differences	Human Brain Mapping	PLOS ONE
Brain and Behavior	IEEE Access	Proceedings of the National Academy of Sciences
Brain Structure and Function	Imaging Neuroscience	Progress in Neuropsychopharmacology & Biological Psychiatry
British Journal of Psychiatry	Journal of the American Academy of Child and Adolescent Psychiatry	Science Advances
Cerebral Cortex	Journal of Psychopathology and Clinical Science	Scientific Reports
Communications Biology	Molecular Psychiatry	Translational Psychiatry
Computational Psychiatry	Nature Communications	
Development and Psychopathology	Nature Mental Health	

## **PROFESSIONAL AND INSTITUTIONAL SERVICE**

### **Society of Biological Psychiatry**

- 2025-2026 Brain Hack Organizational Committee: Co-Chair
- 2025- Communications Committee: Ad Hoc Member
- 2024-2025 Brain Hack Organizational Committee: Ad Hoc Member

### **National Institutes of Health**

- 2025 Special Emphasis Panel – Special Topics on Clinical Care and Influences on Health and Disease Management Study Section: Ad Hoc Reviewer
- 2025 Special Emphasis Panel – The Intersection of Sex and Gender Influences on Health and Disease Study Section: Ad Hoc Reviewer (Study Section Cancelled)
- 2024 Neural Basis of Psychopathology, Addictions and Sleep Disorders (NPAS) Study Section: Early Career Reviewer

### **Organization for the Study of Sex Differences**

- 2025-2026 Social Responsibility Committee: Chair
- 2024-2025 Social Responsibility Committee: Co-Chair
- 2024-2025 Program Committee: Ad Hoc Member
- 2024-2025 Awards Committee: Ad Hoc Reviewer

### **Organization for Human Brain Mapping**

- 2021-2024 Program Committee: Ad Hoc Member
- 2020-2024 Abstract Reviewer
- 2020-2021 Program Committee: Student and Postdoc Liaison
- 2020-2021 Sustainability and Environmental Action Special Interest Group: Social Coordinator
- 2019-2021 Student and Postdoc Special Interest Group: Social Coordinator

### **Northwell Health**

- 2024- Executive Director Advisory Council to Advance Diversity, Equity, and Inclusion: Member

### **Yale University**

- 2024 Women's Health Research at Yale Pilot Grant Program: Ad Hoc Reviewer
- 2023 Kavli Institute for Neuroscience: Scientific Grant Review Committee Member
- 2022 Yale Biomedical Sciences Diversity/Inclusion Collective: Research Symposium Judge
- 2022 Brain Education Day: Leader and Mentor

### **Weill Cornell Medicine**

- 2021 Machine Learning in Medicine Symposium: Organizer
- 2020-2021 Machine Learning in Medicine Seminar Series: Organizer
- 2020 CoCo Lab Professional Development Series: Organizer and Facilitator
- 2020 BrainHack New York/Weill Cornell: Organizer
- 2018-2019 Neuroscience Boot Camp: Organizer, Lecturer
- 2017-2018 Vincent du Vigneaud Research Symposium: Alumni Outreach Coordinator

### **Cornell University**

- 2020-2021 Graduate and Professional Students Diversity Council: Member
- 2020-2021 Graduate and Professional Students International: Co-President
- 2019-2020 Multicultural Academic Council: Mentor

### **McGill University**

- 2025 Social Determinants of Health in Neuroscience Knowledge Exchange Grants: Ad Hoc Reviewer
- 2015-2017 Neuroscience Undergraduates of McGill: Vice President Internal
- 2015-2016 Kinesiology Games: Head of Sponsorship

## MEDIA COVERAGE: SELECTED ARTICLES

1. **FIMR:** [Mapping the mind: Feinstein Institutes research predicts youth impulsivity from brain structure](#)
2. **Scienmag:** [Interconnected Social Identities Shape Neuroimaging Research](#)
3. **The Transmitter:** [Recruitment issues jeopardize ambitious plan for human brain atlas](#)
4. **STAT News:** [Scientists' suit against academic publishers lays bare deep frustration over unpaid peer review](#)
5. **Live Science:** [Is there really a difference between male and female brains?](#)
6. **USA Today:** [Trump order recognizes only two sexes. Advocates call it 'cruel,' 'lawless.'](#)
7. **STAT News:** [Trump executive order declaring only 'two sexes' gets the biology wrong, scientists say](#)
8. **Mental Health Weekly:** [Researchers using neuroimaging are urged to improve inclusivity](#)
9. **Business Wire:** [New Paper Calls for More Diversity and Inclusivity in Neuroscientific Research](#)
10. **STAT News:** [Trump's promise to reinstate travel bans has scientists deeply concerned](#)
11. **STAT News:** [Trump's pick of RFK Jr. at HHS: The scientific community, and biopharma investors, respond](#)
12. **STAT News:** [Trump's return raises concerns about funding cuts and politicization at the NIH](#)
13. **The Sector:** [Boy brains and girl brains? Scientists explore sex, gender, and distinct brain networks](#)
14. **Daily Kos:** [A deeper look into the dangerous policies in Project 2025](#)
15. **Yale University:** [Fostering the Next Generation: Elvisha Dhamala](#)
16. **Psychiatric News:** [Sex and Gender Have Differential Impacts on Brain Networks in Children](#)
17. **Counsel and Heal:** [AI unveils brain pattern differences between boys and girls: A groundbreaking study](#)
18. **PsyPost:** [Neuroscientists find sex and gender map onto different parts of the brain in children](#)
19. **Presse Citron:** [Sexe, genre et cerveau: des découvertes fascinantes en neurosciences](#)
20. **Science Alert:** [Sex And Gender Show Distinct Variations in Brain Connectivity](#)
21. **IFL Science:** [Sex and gender operate differently in the brain, finds study of nearly 5,000 kids](#)
22. **New Scientist:** [AI can identify a child's sex based on their brain activity](#)
23. **DevX:** [New study reveals sex, gender brain differences](#)
24. **Vocal Media:** [A new study identifies specific brain networks associated with sex and gender](#)
25. **The Transmitter:** [Data access changes to UK Biobank stir unease in neuroscientists](#)
26. **Scientific American:** [Sex and gender map onto different brain networks in children](#)
27. **CNN:** [A detailed look at children's brains might show how sex and gender are different, new study says](#)
28. **FIMR:** [Feinstein Institutes research finds sex, gender identity are linked to human brain activity](#)
29. **Newsweek:** [Neuroscientists reveal key brain differences between sex and gender](#)
30. **STAT News:** [Expansive new study points to distinct brain networks linked to sex and gender](#)
31. **Business Wire:** [Sex and gender identity are linked to human brain activity, Feinstein Institutes research](#)
32. **Science:** [Brain imaging study in children shows sex and gender operate in different networks of the brain](#)
33. **AAAS:** [Study associates sex and gender with distinct brain network patterns](#)
34. **L'Express:** [Le sexe \(et le genre\) influencent le fonctionnement des réseaux cérébraux](#)
35. **López-Dóriga :** [Un estudio en niños asocia el sexo y el género con distintos patrones de redes cerebrales](#)
36. **The Transmitter:** [How to use race and ethnicity data responsibly in neuroscience research](#)
37. **National Elf Service:** [\(Brain\) sex matters](#)
38. **PsyPost:** [Shared brain connections associated with different behaviors across males and females](#)
39. **NewsRx Drug Daily:** [Findings on personalized medicine reported by investigators at Yale University](#)
40. **Psychology & Psychiatry Daily:** [Institute of Behavioral Sciences reports findings in Biological Psychiatry](#)

## PODCASTS

1. **The Biological Psychiatry Podcast:** Host

2. [20 Minute Health Talk](#): Guest

**SCIENCE OUTREACH**

- 2022 New Haven Science Fair: Scientific Judge
- 2018-2025 Skype A Scientist: Scientist Mentor
- 2018 Cornell Cooperative Extension: Student Space Experiments Program Mentor

**PROFESSIONAL DEVELOPMENT AND TRAININGS**

- 2023 Scholarships to Enhance and Empower Diversity (SEE-D) Workshop, University of Chicago
- 2023 Science Forward: Towards Inclusive Excellence in Academia, Associated Medical Schools of New York, Cold Spring Harbor Laboratory
- 2022 Cornell NIH FIRST Future Faculty Symposium, Cornell University
- 2022 New England Future Faculty Workshop, Northeastern University, Harvard Medical School
- 2022 Scientists Teaching Science, New York Academy of Sciences
- 2022 Postdoc Series: Chalk Talk, Kavli Institute for Neuroscience, Yale University
- 2022 Creating Connections: An Introduction to the Alda Method, Kavli Foundation
- 2022 Crafting a Compelling Diversity Statement, Yale University
- 2022 Grant Writing, Yale University
- 2022 Mental Health First Aid Certification, National Council for Mental Wellbeing
- 2021 Fundamentals of Scientific Writing, Yale University
- 2021 Colman Inclusive Leadership Program, Cornell University
- 2020-2021 NextGen Professor's Program, Cornell University
- 2020 Integrating Sex and Gender to Improve Human Health, National Institutes of Health: Office of Research on Women's Health
- 2020 Writing in the Sciences, Coursera
- 2020 Teaching and Learning in the Diverse Classroom, Cornell University
- 2019 Art of Scientific Writing, Weill Cornell Medicine

**PROFESSIONAL MEMBERSHIPS**

- American Psychological Association
- Cognitive Neuroscience Society
- Flux
- Northwell Katz Institute for Women's Health
- Organization for Human Brain Mapping
- Organization for the Study of Sex Differences
- Schizophrenia International Research Society
- Society for Neuroscience
- Society of Biological Psychiatry