

Brenden Tervo-Clemmens, PhD

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PROFESSIONAL APPOINTMENTS

Starting 2027	Yale University Assistant Professor, Department of Psychology
2023-2027	University of Minnesota Assistant Professor, Masonic Institute for the Developing Brain Department of Psychiatry and Behavioral Sciences
2024-Pres	Licensed Psychologist (LP), Minnesota Board of Psychology, LP7052

EDUCATION & TRAINING

2020-2023	Massachusetts General Hospital/ Harvard Medical School NIDA K12 Fellow in Addiction Neuroscience: 2021-2023 Predoctoral Clinical Psychology Internship: 2020-2021
2014-2021	University of Pittsburgh Ph.D. in Psychology (Clinical) Minor in Quantitative Methodology (in Psychology)
2014-2021	Center for the Neural Basis of Cognition, Carnegie Mellon University and University of Pittsburgh Graduate Certificate Program in Neuroscience
2012-2014	Villanova University M.S. in Psychology (Experimental)
2006-2010	Duquesne University B.A. in Psychology

RESEARCH INTERESTS

My research focuses on the intersection of developmental cognitive neuroscience, developmental psychopathology, and quantitative methods. My group uses a precision brain health approach that combines large-scale and intensive longitudinal brain imaging, lab-based behavioral studies, and smartphone assessments to understand how executive function and emotion regulation shape adolescent mental health. We also develop and apply psychometric methods to improve how these neurodevelopmental processes are measured, modeled, and translated into practice.

SELECTED HONORS & AWARDS

2026	Young Investigator Award, Flux: The Society for Developmental Cognitive Neuroscience
2024	Jacobs Foundation Research Fellow

2024	NARSAD Young Investigator, Brain & Behavior Research Foundation (BBRF)
2024	Top 25 <i>Nature Communications</i> Social Science and Human Behavior Articles of 2023
2024	Rising Star, Association for Psychological Science (APS)
2022	NIDA/NIAA Webinars by Early Career Investigators in Addiction Neuroscience (WECAN)
2022	Outstanding Research Paper by a Fellow in Psychology (Emerson Award), Massachusetts General Hospital (MGH) Department of Psychiatry
2022	NIDA Director's Travel Award, College on Problems of Drug Dependence (CPDD)
2021	Visionary Award, American Psychological Foundation (APF)
2021	Pennsylvania Psychological Foundation (PPF) Education Award, Frank and MaryAnn Dattilio Scholarship
2020	Outstanding Achievement and Promise for Future Accomplishments (Bassell Student Award), University of Pittsburgh Department of Psychology
2020	Dean's Graduate Scholarship, University of Pittsburgh
2018	Outstanding Contribution in Reviewing, <i>Psychiatry Research: Neuroimaging</i>
2015	E.B. Huey Research Award, University of Pittsburgh Department of Psychology

GRANTS & SPONSORED FUNDING

Current

NIH K23 DA057486, Leveraging Complementary Big Data Methods and Patient Intervention Designs to Optimize Neural Markers of Adolescent Cannabis Use

Role: Principal Investigator

Project Period: September 2023-2027

Support: \$723,948 in Direct Costs

Jacobs Foundation Research Fellowship, Precision Longitudinal Brain-Behavior and Neurodevelopmental Mechanisms of Executive Function

Role: Principal Investigator

Project Period: January 2025-December of 2027

Support: \$177,000 in Direct Costs

NARSAD BBRF Young Investigator Grant, Precision Longitudinal Brain Imaging and Deep Phenotyping in Adolescent Substance Use

Role: Principal Investigator

Project Period: January 2025-2027

Support: \$68,756 in Direct Costs

University of Minnesota Masonic Institute for the Developing Brain (MIDB) Seed Grant,
Precision Longitudinal Brain-Behavior Mechanisms of Adolescent Executive Function

Role: Principal Investigator

Project Period: September 2024-2026

Support: \$100,000 in Direct Costs

University of Minnesota School of Public Health Cannabis Research Center Small Grant,
Neurodevelopmental Mechanisms Linking Adolescent Cannabis use and Suicidal Ideation

Role: MPIs Tervo-Clemmens (Contact), C. Lewis

Project Period: July 2025-2026

Support: \$50,000 in Direct Costs

NIH LRP (Loan Repayment Program) Grant L30DA059086

Role: Principal Investigator

Project Period: October 2023-2029

Completed

American Psychological Foundation (APF) Visionary Grant,
Real-Time Assessment of Substance Use Risk: Identifying how Daily Fluctuations in
Impulsivity Predict Same Day Cannabis Use in Adolescents

Period: 2022-2023

Role: Principal Investigator

Support: \$18,924 in Direct Costs

NIH K12 DA043490, Massachusetts General Hospital Career Development Program in
Substance Use and Addiction Medicine

Real-Time Tracking of Adolescent Cannabis Use via Smartphone Assessment

Period: 2021-2023

Role: Fellow/Project Principal Investigator

Support: \$184,000 in Direct Costs

PUBLICATIONS (48 total: 14 first / shared first author, 2 senior author, 32 co-author)

1. Marek, S., Donohue, M. R., Karcher, N. R., Hoyniak, C. P., Chauvin, R. J., Meyer, A. C., ..., **Tervo-Clemmens, B.**, & Dosenbach, N. U. (2026). Patterns of brain-wide associations reflect socioeconomics. *Science*, 392(6803), eae6213.
2. Van, A. N., Montez, D. F., Laumann, T. O., Suljic, V., Madison, T., Baden, N. J., ..., **Tervo-Clemmens, B.**, ..., & Dosenbach, N. U. (2026). Framewise multi-echo distortion correction for superior functional MRI. *Imaging Neuroscience*, 4, IMAG-a
3. Gilman, J., Potter, K., Kaur, J., Lee, P., Schuster, R., Bjork, J., ... & **Tervo-Clemmens, B.** (2026). Impulsivity-related predictors of adolescent substance use initiation. *Psychological Medicine*, 56, e41. ***Senior Author.**
4. Kay, B. P., Wheelock, M. D., Siegel, J. S., Raut, R., Chauvin, R. J., Metoki, A., ..., **Tervo-Clemmens, B.**, ..., & Dosenbach, N. U. (2025). Stimulant medications affect arousal and reward, not attention. *Cell*, 188(26), 7529 - 7546.e20

5. Keller, A. S., Shetty, A., Barzilay, R., Calkins, M. E., Chong, Y. S., Dave, N., ..., **Tervo-Clemmens, B.**, & Larsen, B. S. (2025). Cognition varies across the calendar year in multiple large-scale datasets. *Proceedings of the National Academy of Sciences*, 122(51), e2506054122.
6. Kay, B. P., Montez, D. F., Marek, S., **Tervo-Clemmens, B.**, Siegel, J. S., Adeyemo, B., ... & Dosenbach, N. U. (2025). Motion impact score for detecting spurious brain-behavior associations. *Nature Communications*, 16(1), 8614.
7. Fox, C. A., Teckentrup, V., Donegan, K. R., Seow, T. X., Benwell, C. S., **Tervo-Clemmens, B.**, & Gillan, C. M. (2025). Cognitive arbitration between candidate dimensions of psychopathology. *Molecular psychiatry*, 1-14.
8. Sheridan, M. A., **Tervo-Clemmens, B.**, Demir-Lira, E., Dick, A. S., Hanson, J. L., Somerville, L. H., ... & Luna, B. (2025). Advances on design considerations in Developmental Cognitive Neuroscience. *Developmental Cognitive Neuroscience*, 76, 101627.
9. Elyounssi, S., Kunitoki, K., Clauss, J. A., Laurent, E., Kane, K., Hughes, D. E., ..., **Tervo-Clemmens, B.**, ..., & Roffman, J. L. (2025). Uncovering and mitigating bias in large, automated MRI analyses of brain development. *Nature Neuroscience*.
10. Moser, J., Nelson, S. M., Koirala, S., Madison, T. J., Labonte, A. K., Carrasco, C. M., ..., **Tervo-Clemmens, B.**, ..., & Fair, D. A. (2025). Multi-echo acquisition and thermal denoising advances precision functional imaging. *Imaging Neuroscience*, 3, imag_a_00426.
11. Gell, M., Noble, S., Laumann, T.O., Nelson S.M., & **Tervo-Clemmens, B.** (2025). Psychiatric Neuroimaging Designs for Individualised, Cohort, and Population Studies. *Neuropsychopharmacology*, 50(1), 29-36. +Mentee. ***Senior Author**
12. Kang, K., Seidlitz, J., Bethlehem, R. A., Xiong, J., Jones, M. T., Mehta, K., ..., **Tervo-Clemmens B.**, ..., & Vandekar, S.N. (2024). Study design features that improve effect sizes in cross-sectional and longitudinal brain-wide association studies. *Nature*, 1-9
13. Koirala, S., Grimsrud, G., Mooney, M. A., Larsen, B., Feczko, E., Elison, J. T., ..., **Tervo-Clemmens, B.**, & Fair, D. A. (2024). Neurobiology of attention-deficit hyperactivity disorder: historical challenges and emerging frontiers. *Nature Reviews Neuroscience*, 1-17.
14. Gilman, J. M., Kaur, J., **Tervo-Clemmens, B.**, Potter, K., Sanzo, B. T., Schuster, R. M., ... & Lee, P. H. (2024). Associations between behavioral and self-reported impulsivity, brain structure, and genetic influences in middle childhood. *Developmental Cognitive Neuroscience*, 67, 101389.
15. Xu, B., Dall'Aglio, L., Flournoy, J., Bortsova, G., **Tervo-Clemmens, B.**, Collins, P., ... & Muetzel, R. L. (2024). Limited generalizability of multivariate brain-based dimensions of child psychiatric symptoms. *Communications Psychology*, 2(1), 16.
16. Lee, P. H., **Tervo-Clemmens, B.**, Liu, R. T., Gersten, M. B., Jung, J. Y., Janes, A. C., & Gilman, J. (2024). Use of Tobacco Products and Suicide Attempts Among Elementary School-Aged Children. *JAMA network open*, 7(2), e240376-e240376.

17. **Tervo-Clemmens, B.**, Gilman, J.M., Evins, A.E., Bentley, K., Nock, M.K., Smoller, J.W., Schuster, R.M. (2024). Substance Use, Suicidal Thoughts, and Psychiatric Comorbidities among High School Students. *JAMA pediatrics*
18. **Tervo-Clemmens, B.**, Calabro, F. J., Parr, A. C., Fedor, J., Foran, W., & Luna, B. (2023). A Canonical Trajectory of Executive Function Maturation During the Transition from Adolescence to Adulthood. *Nature Communications*. 14, 6922.
19. **Tervo-Clemmens, B.**, Karim, Z.A., Khan, S.Z., Somerville, L.H., Schuster, R.M., Ravindranath, O., Somerville, L.H., Gilman, J.M., Evins, A.E. (2023). The Developmental Timing but not Magnitude of Adolescent Risk-Taking Propensity is Consistent Across Social, Environmental, and Psychological Factors. *Journal of Adolescent Health*.
20. Sequeira, S., Carmel, T., **Tervo-Clemmens, B.**, Edmiston E.K. (2023). Future Directions in the Mental Health of Transgender Youth: Towards a Social-Affective Developmental Model of Health Disparity. *Journal of Clinical Child & Adolescent Psychology*, 1-11.
21. Weiss, J.K.⁺, **Tervo-Clemmens, B.**, Potter, K.W., Evins, A.E., Gilman, J.M., (2023). The Cannabis Effects Expectancy Questionnaire—Medical (CEEQ—M): Preliminary Psychometric Properties and Longitudinal Validation within a Clinical Trial. *Psychological Assessment*. 35(8), 659–673. + Mentee (jointly mentored by BTC and JMG).
22. **Tervo-Clemmens, B.**, Marek, S., & Barch, D. M. (2023). Tailoring Psychiatric Neuroimaging to Translational Goals. *JAMA psychiatry*, 80(8), 765-766.
23. **Tervo-Clemmens, B.***, Marek, S.*, Chauvin, R.J., Van, A.N., Kay, B.P., Laumann, T.O., Thompson, W.K., Nichols, T.E., Yeo, B.T., Barch, D.M., Luna, B., Fair, D.A.[#], Dosenbach, N.U.F.[#]. (2023). Reply to “Multivariate brain-wide association studies can be replicable with moderate sample sizes”. *Nature*, 615(7951), E8-E12. ***Shared First Author**, #Shared Senior
24. **Tervo-Clemmens, B.**, Schmitt, W., Wheeler, G., Cooke, M.E., Schuster, R.M., Hickey, S., Pachas, G., Evins, A.E., Gilman, J. (2022). Cannabis Use and Sleep Quality in Daily Life: an Electronic Daily Diary Study of Adults Starting Cannabis for Health Concerns. *Drug and alcohol dependence*, 243, 109760.
25. Marek, S.*, **Tervo-Clemmens, B.***, Calabro, F.J., Montez, D.F., Kay, B.P., Hatoum, A.S., Donohue, M.R., Foran, W., Miller, R.L., Hendrickson, T.J., Malone, S.M., Kandala, S., Feczko, E., Miranda-Dominguez, O., Graham, A.M., Earl, E.A., Perrone, A.J., Cordova, M., Doyle, O., Moore, L.A., Conan, G.M., Uriarte, J., Snider, K., Lynch, B.J., Wilgenbusch, J.C., Pengo, T., Tam, A., Chen, J., Newbold, D.J., Zheng, A., Seider, N.A., Van, A.N., Metoki, A., Chauvin, R.J., Laumann, T.O., Greene, D.J., Petersen, S.E., Garavan, H., Thompson, W.K., Nichols, T.E., Yeo, B.T., Barch, D.M., Luna, B., Fair, D.A.[#], Dosenbach, N.U.F.[#]. (2022). Reproducible brain-wide association studies require thousands of individuals. *Nature*, 603(7902), 654-660. ***Shared First Author**, #Shared Senior Author
26. Perica, M. I., Calabro, F. J., Larsen, B., Foran, W., Yushmanov, V. E., Hetherington, H., **Tervo-Clemmens, B.**,... & Luna, B. (2022). Development of frontal GABA and glutamate supports excitation/inhibition balance from adolescence into adulthood. *Progress in Neurobiology*, 219, 102370.

27. Gilman, J. M., Schuster, R. M., Potter, K. W., Schmitt, W., Wheeler, G., Pachas, G. N., ... **Tervo-Clemmens, B.**, ..., Evins, A. E. (2022). Effect of Medical Marijuana Card Ownership on Pain, Insomnia, and Affective Disorder Symptoms in Adults: A Randomized Clinical Trial. *JAMA network open*, 5(3), e222106-e222106.
28. Parr, A. C., Calabro, F., **Tervo-Clemmens, B.**, Larsen, B., Foran, W., & Luna, B. (2022). Contributions of dopamine-related basal ganglia neurophysiology to the developmental effects of incentives on inhibitory control. *Developmental Cognitive Neuroscience*, 101100.
29. Dotson, S., Johnson-Arbor, K., Schuster, R. M., **Tervo-Clemmens, B.**, & Evins, A. E. (2022). Unknown risks of psychosis and addiction with delta-8-THC: A call for research, regulation, and clinical caution. *Addiction*.
30. Price RB, **Tervo-Clemmens B**, Panny B, Deguis M, Griffo A, Woody ML. (2021). Biobehavioral correlates of an fMRI index of striatal tissue iron in depressed patients. *Translational Psychiatry*, 11(1), 1-8.
31. Cooke, M. E., Gilman, J. M., Lamberth, E., Rychik, N., **Tervo-Clemmens, B.**, Evins, A. E., & Schuster, R. M. (2021). Assessing changes in symptoms of depression and anxiety during four weeks of cannabis abstinence among adolescents. *Frontiers in Psychiatry*, 12, 1082.
32. **Tervo-Clemmens, B.**, Musket, C., Calabro, F.J., Luna, B. (2021). Adolescent Cannabis Use and Neurocognitive Development. In Martin, C., Preedy, V.C., and Rajendram, R. (Eds.). *Factors Affecting Neurodevelopment: Genetics, Neurology, Behavior, And Diet*. Academic Press-Elsevier.
33. Parr, A. C., Calabro, F., Larsen, B., **Tervo-Clemmens, B.**, Elliot, S., Foran, W., ... & Luna, B. (2021). Dopamine-related striatal neurophysiology is associated with specialization of frontostriatal reward circuitry through adolescence. *Progress in Neurobiology*, 201, 101997.
34. Galàn, G., Berkele, B*, Boness, C.L.*, Bowdring, M.A.*, Call, C.*, Hails, K.*, ..., **Tervo-Clemmens, B.***, ..., Yilmaz, B.* (2021). A Call to Action for an Antiracist Clinical Science. *Journal of Clinical Child & Adolescent Psychology*. * equal contribution.
35. Bridgwater, M., Bachman, P., **Tervo-Clemmens, B.**, Haas, G., Hayes, R., Luna, B., ... & Jalbrzikowski, M. (2020). Developmental influences on symptom expression in antipsychotic-naïve first-episode psychosis. *Psychological Medicine*, 1-12.
36. Luna, B., **Tervo-Clemmens, B.**, & Calabro, F. J. (2021). Considerations when characterizing adolescent neurocognitive development. *Biological psychiatry*, 89(2), 96-98.
37. Quach, A+*, **Tervo-Clemmens, B.***, Foran, W., Calabro, F.J., Clark, D.B., Luna, B., Adolescent Development of Inhibitory Control and Substance Use Vulnerability: A Longitudinal Neuroimaging Study. (2020). *Developmental Cognitive Neuroscience* 42, 100771+Mentee, ***Shared First Author**
38. Larsen, B, Olafsson, V., Calabro, F., Laymon, C., **Tervo-Clemmens, B.**, Minhas, D., Montez, D.F., Price, J., Luna, B. (2020). Maturation of the human striatal dopamine system revealed by PET and quantitative MRI. *Nature Communications*, 11 (1), 1-10

39. **Tervo-Clemmens, B.**, Quach, A, Calabro, F.J., Foran, W. Luna, B. (2020). Meta-analysis and review of functional neuroimaging differences underlying adolescent vulnerability to substance use. *NeuroImage*, 209, 116476
40. Calabro, F.J., Murty, V.P., Jalbrzikowski, M., **Tervo-Clemmens, B.**, Luna, B. (2020). Development of Hippocampal-Prefrontal Cortex Interactions Through Adolescence. *Cerebral Cortex*, 30 (3), 1548-1558.
41. Marek, S.M*, **Tervo-Clemmens, B.***, Nielsen, A.M., Wheelock, M.D., Miller R.L., Laumann, T. O.,..., Luna, B., Dosenbach, N.U.F., (2019). Identifying Reproducible Individual Differences in Childhood Functional Brain Networks: An ABCD Study. *Developmental Cognitive Neuroscience*. 40, 100706. ***Shared First Author**
42. Jalbrzikowski, M., Murty, V. P., **Tervo-Clemmens, B.**, Foran, W., & Luna, B. (2019). Age-associated deviations of amygdala functional connectivity in youths with psychosis spectrum disorders: relevance to psychotic symptoms. *American Journal of Psychiatry*, 176(3), 196-207.
43. **Tervo-Clemmens, B.**, Simmonds, D., Calabro, F., Montez, D. F., Lekht, J., Day, N. L., Richardson, G.A., & Luna, B. (2018). Early Cannabis Use and Neurocognitive Risk: A Prospective Functional Neuroimaging Study. *Biological Psychiatry: Cognitive Neuroscience and Neuroimaging*, 3(8), 713-725.
44. Marek, S., **Tervo-Clemmens, B.**, Klein, N., Foran, W., Ghuman, A. S., & Luna, B. (2018). Adolescent development of cortical oscillations: Power, phase, and support of cognitive maturation. *PLOS Biology*, 16(11), e2004188.
45. **Tervo-Clemmens, B.**, Simmonds, D., Calabro, F. J., Day, N. L., Richardson, G. A., & Luna, B. (2018). Adolescent Cannabis Use and Brain Systems Supporting Adult Working Memory Encoding, Maintenance, And Retrieval. *NeuroImage*, 169, 496-509.
46. **Tervo-Clemmens, B.**, Quach, A., Luna, B., Foran, W., Chung, T., De Bellis, M. D., & Clark, D. B. (2017). Neural Correlates of Rewarded Response Inhibition in Youth at Risk for Problematic Alcohol Use. *Frontiers in Behavioral Neuroscience*, 11.
47. Luna, B., Marek, S., Larsen, B., **Tervo-Clemmens, B.**, Chahal, R. (2015). An Integrative Model of the Maturation of Cognitive Control. *Annual Reviews of Neuroscience*, 38 (1).
48. Boyd, R. C., & **Tervo-Clemmens, B.** (2013). Exploring maternal and child effects of comorbid anxiety disorders among African American mothers with depression. *Journal of Depression & Anxiety*, 2(129).

PREPRINTS

1. Gell, M.+, Hoffmann, M. S., Moore, T. M., Nikolaidis, A., Gur, R. C., Salum, G. A., ... & **Tervo-Clemmens, B.** (2025). Disentangling Brain-Psychopathology Associations: A Systematic Evaluation of Transdiagnostic Latent Models. *bioRxiv*, +Mentee, ***Senior Author**

PREPRINTS OF RECORD (manuscripts with final deposition as preprints)

1. Feczko, E., Conan, G., Marek, S., **Tervo-Clemmens, B.**, Cordova, M., Doyle, O., ... & Fair, D. A. Adolescent Brain Cognitive Development (ABCD) Community MRI Collection and Utilities (2021). *bioRxiv*.

SELECTED IN PREPARATION (first or senior author)

1. Gell, M., Grimsrud, G., Hufnagle, K., Fair, D., & **Tervo-Clemmens, B.** Assessing the Stability of Resting State Functional Connectivity for Intensive Longitudinal Designs +Mentee
2. Hayday, E., Fuentes, V., McCollum, R., Anderson, M., & **Tervo-Clemmens, B.** A Systematic Investigation of the Unique and Cumulative Associations between Adverse Childhood Experiences and Adult Mental Health. +Mentees
3. Godfrey K.J., Grimsrud, G., Hodapp, S., Ramirez J.S.B., Gell, M., Conelea, C., Nelson, S.M., & **Tervo-Clemmens, B.** Individualized Brain Network Organization in Neuropsychiatric Youth during Rest and Naturalistic Viewing. +Mentee, ***Co-Senior**
4. **Tervo-Clemmens, B.** & McCollum, R. Brain-Wide Association Studies of Task-Based and Resting-State fMRI.

INVITED PRESENTATIONS

1. Invited virtual presentation for Rice University Department of Psychology Cognitive, Health, Affective (CHAT) Seminar (February 2026).
2. Invited virtual presentation for Massachusetts General Hospital Neuroscience Grand Rounds. (April 2025)
3. Vanderbilt University Medical Center, Department of Psychiatry and Behavioral Sciences Grand Rounds (September 2024)
4. Brain and Mind Research Institute, Weill Cornell Medicine, New York, New York (April 2024)
5. Clinical Neuroscience Research Unit, University of Vermont, Burlington, VM (April 2023)
6. Lifespan Informatics & Neuroimaging Center, University of Pennsylvania (Penn). Philadelphia, PA (January 2023)
7. Invited virtual presentation for Center for Brain, Behavior, and Cognition (CBBC) Series, Pennsylvania State University, Huck Institutes of the Life Sciences (October 2022)
8. Brain, Behavior and Cognition Speaker Series, Boston University, Department of Psychological & Brain Sciences. Boston, MA (September 2022)
9. Invited virtual presentation for National Institute of Mental Health (NIMH) Research Domain Criteria (RDoC) Roundtable, Data-driven Refinement of Psychopathology: Towards Precision Diagnostics (September 2022)

10. Invited virtual presentation for National Institute on Drug Abuse (NIDA)/ National Institute on Alcohol Abuse and Alcoholism (NIAAA) Webinars by Early Career Investigators in Addiction Neuroscience (WECAN) (August 2022)
11. Invited Virtual Presentation to the Reproducible Interpretable Open Transparent (RIOT) Science Club, via King's College London, UK (June 2022)
12. Center for Cognitive and Brain Health Speaker Series, Northeastern University, Boston, MA (March 2022)

ORAL CONFERENCE PRESENTATIONS

Chair/Moderator

1. **Tervo-Clemmens, B.** (Upcoming, September 2026). Emerging Best Practices for Precision fMRI in Developmental Research. Educational Workshop at Flux: The Society for Developmental Cognitive Neuroscience. *Chair
2. **Tervo-Clemmens, B.,** (March 2026). Methods Roundtable: Brain-Wide Association Studies. The Society for Affective Science. Pittsburgh, Pennsylvania * Moderator
3. **Tervo-Clemmens, B.,** (January 2026). Neuropsychopharmacology Reviews Panel: Child and Adolescent Development and Mental Health. American College of Neuropsychopharmacology. Nassau, Bahamas. *Co-Chair
4. **Tervo-Clemmens, B.** (March 2024). Round Table: "Designing Investigator Initiated Studies in the Era of Big Data". Flux Society Winter Virtual Round Table. *Moderator

Presenter

1. **Tervo-Clemmens, B.** (Upcoming, October 2026). Disentangling Brain-Psychopathology Associations: A Systematic Evaluation of Transdiagnostic Latent Factor Models. Society for Research in Psychopathology. Columbus, Ohio
2. **Tervo-Clemmens, B.** (Upcoming, September 2026). First Forays and Frequent Failures of a Young Investigator: Developmental Cognitive Neuroscience meets Data Science. Flux: The Society for Developmental Cognitive Neuroscience (Young Investigator Award Lecture).
3. **Tervo-Clemmens, B** (April 2026). A Canonical Trajectory of Executive Function Maturation from Adolescence to Adulthood. International Conference on Human Brain Development (ICBD 2026). Zhuhai Campus of Beijing Normal University, Zhuhai, China.
4. **Tervo-Clemmens, B.,** (September 2025). Leveraging the ABCD Study towards Methodological Advances in Brain-Behavior Studies: Reliability, Reproducibility, and Analysis. Flux: The Society for Developmental Cognitive Neuroscience, Dublin, Ireland.
5. **Tervo-Clemmens, B.** (November 2024). Brain-Wide Association Studies in Resting-State and Task-Based fMRI. ABCD Annual Meeting, San Diego, California

6. **Tervo-Clemmens, B.**, (September 2024). Brain-Wide Association Studies of Lifespan Mental Health across Functional Task States. Flux: The Society for Developmental Cognitive Neuroscience, Baltimore, Maryland.
7. **Tervo-Clemmens, B.** (June 2024). Oral Presentation as part of Educational Course. Normative Models of Adolescent Executive Function Development Across Assessments and Datasets. Organization for Human Brain Mapping, Seoul, South Korea
8. **Tervo-Clemmens B.** (December 2022; Accepted). Oral Presentation as part of Study Group (Thompson, WK, organizer): Quo vadis: the implications of small effect sizes in population neuroimaging studies. American College of Neuropsychopharmacology, Phoenix, Arizona. (unable to attend due to COVID-19).
9. **Tervo-Clemmens, B.** (June 2021). Shared Trajectories and Daily Associations between Marijuana Use and Reported Sleep Quality in New Medical Marijuana Card Holders Research. College on Problems of Drug Dependence, Virtual Meeting.
10. **Tervo-Clemmens, B.**, Quach, A., Calabro, F.J., Clark, D.B., Luna, B. (June 2020, Accepted). Linking adolescent neurocognitive development, disinhibitory phenotypes, and risk for problematic alcohol use. Research Society on Alcoholism, New Orleans, Louisiana (cancelled March 25th, 2020 due to COVID-19).
11. **Tervo-Clemmens, B.**, Calabro F., Luna, B. (September 2017). Neural Correlates of Internalizing and Externalizing Psychopathology during Adolescence. Flux: The Society for Developmental Cognitive Neuroscience, Portland, Oregon.

LOCAL INVITED PRESENTATIONS

1. Department of Psychology Proseminar “Genes, Brains, and Behavior”, University of Minnesota (April 2024)
2. Department of Biostatistics Colloquium, University of Minnesota (March 2024)
3. Minnesota Addiction Mini-Symposium, University of Minnesota (November 2023)
4. Institute for Child Development (ICD), University of Minnesota, Bag Lunch Colloquium Series (October 2023)
5. Massachusetts General Hospital, Department of Psychiatry Grand Rounds (Emerson Award Lecture) (June 2022)

RESEARCH TRAINING

2021-2023	Center for Addiction Medicine , Massachusetts General Hospital, Harvard Medical School Role: <i>MGH/NIDA K12 Postdoctoral Fellow</i>
2014-2021	Laboratory of Neurocognitive Development , University of Pittsburgh School of Medicine, Department of Psychiatry Role: <i>Graduate Student Researcher</i>

Primary Investigator: Beatriz Luna, Ph.D.

- 2016-2021 **National Consortium on Alcohol & Neurodevelopment in Adolescence (NCANDA)**
Role: *Graduate Student Researcher/Predoctoral Trainee*
University of Pittsburgh Site PI: Duncan B. Clark, M.D., Ph.D.
- 2012-2014 **Temporal Perception Lab**, Villanova University, Department of Psychology
Role: *Graduate Student Researcher*
Primary Investigator: Matthew Matell, Ph.D.
- 2012-2013 **The Center for Family Intervention Science**, Children's Hospital of Philadelphia
Role: *Research Assistant*
Primary Investigator: Rhonda Boyd, Ph.D.

SELECTED MEDIA COVERAGE (coverage of first authored published work)

New York Times (January 29th, 2024). <https://www.nytimes.com/2024/01/29/health/teens-drugs-alcohol-mental-health.html>

Pittsburgh Post-Gazette (November 26th, 2023). <https://www.post-gazette.com/news/health/2023/11/26/adolescent-teenager-cognition-pitt-pediatrics/stories/202311260009>

U.S. News & World Report (November 6th, 2023) <https://www.usnews.com/news/health-news/articles/2023-11-06/is-your-18-year-old-really-mature-new-brain-study-has-answers>

Flux Society [Developmental Cognitive Neuroscience]: Sensitive Periods Podcast (November 15th, 2022). Invited Guest

Organization for Human Brain Mapping (OHBM) Neurosalience Podcast (June 15th, 2022). Invited Guest

KCBS, San Francisco (April 1, 2022) <https://www.audacy.com/podcasts/kcbs-on-demand-20757/new-study-questions-if-a-brain-scan-can-distinguish-behavioral-traits-1338474004>

Psychology Today (March 17, 2022) <https://www.psychologytoday.com/us/blog/how-do-you-know/202203/when-can-we-trust-brains-predict-abilities>

WHYY, National Public Radio (NPR)-Affiliate, Philadelphia (March 19, 2021), <https://whyy.org/segments/scientists-used-fmri-to-study-brain-activity-for-years-now-some-question-the-results-reliability/>

Livescience (January, 30, 2018) <https://www.livescience.com/61574-adolescent-cannabis-use-memory-study.html>

PROFESSIONAL SERVICE & LEADERSHIP

Professional Society Leadership

- 2027 Program Co-Chair, Flux: The Society for Developmental Cognitive Neuroscience Annual Meeting
- 2025 Governance Committee, Flux: The Society for Developmental Cognitive Neuroscience
- 2024–2025 Strategic Plan Task Force, Flux: The Society for Developmental Cognitive Neuroscience
- 2023–2024 Roundtable Committee, Flux: The Society for Developmental Cognitive Neuroscience

Conference Program Committees

- 2026 Jacobs Foundation Annual Meeting
- 2026 Flux: The Society for Developmental Cognitive Neuroscience

Institutional Service

- 2025–2027 Department of Psychiatry Research Council, University of Minnesota
- 2023–2027 Leadership Group, Center for Developmental Neuroimaging, University of Minnesota
MIDB Scientific Director, 2025–Pres

JOURNAL SERVICE

Editing:

Assistant Volume Editor, *Neuropsychopharmacology Reviews: Trajectories of Mental Health and Illness Across child and Adolescent Development*: 2024-2025
Guest Editor: *Developmental Cognitive Neuroscience: Methodological and analytic advances in developmental neuroscience*: 2024-2025

Editorial Board:

Developmental Cognitive Neuroscience: 2022-
Development and Psychopathology: 2025-

Ad-hoc Reviewer (alphabetical): *Alcoholism: Clinical and Experimental Research*, *American Psychologist*, *Biological Psychiatry*, *Brain and Behavior*, *Clinical Psychological Science*, *Developmental Cognitive Neuroscience*, *Developmental Science*, *Developmental Psychology*, *eLife*, *JAMA Psychiatry*, *Journal of Adolescent Health*, *Journal of Cognitive Neuroscience*, *Journal of the International Neuropsychological Society*, *Journal of Psychopathology and Clinical Science*, *Molecular Psychiatry*, *Nature Communications*, *Nature Human Behaviour*, *Nature Neuroscience*, *Network Neuroscience*, *NeuroImage*, *Neuropsychologia*, *Neuropsychopharmacology*, *Progress in Neuropsychopharmacology & Biological Psychiatry*, *PLOS ONE*, *Proceedings of the National Academy of Sciences (PNAS)*, *Psychiatry Research: Neuroimaging*, *Psychological Bulletin*, *Psychopharmacology*, *Science Advances*, *The American Journal on Addictions*, *The American Journal of Psychiatry*, *Trends in Cognitive Sciences*

GRANTS/CONFERENCE REVIEW

Grants:

2026 Israel Science Foundation, Ad-hoc External Reviewer
2026 NIH Fellowships: Epidemiology and Population Sciences Study Section
*Temporary Member April 2026
2026 Natural Sciences and Engineering Research Council of Canada (NSERC), Ad-hoc External Reviewer, Discovery Grant
2025 NIH NPAS Study Section *Temporary Member March 2025
2024 University of Minnesota, Clinical and Translational Science Institute

Conference:

2023 *Flux: The Society for Developmental Cognitive Neuroscience* Program
2022 Young Investigator Award, *Flux: The Society for Developmental Cognitive Neuroscience*

CURRENT PROFESSIONAL MEMBERSHIPS

Organization for Human Brain Mapping, Flux: Society for Developmental Cognitive Neuroscience, Society for Research in Psychopathology

ADDITIONAL SCIENCE COMMUNICATION

Spring 2023- Bulletin Writer, Recovery Research Institute Bulletin,
Fall 2023 Massachusetts General Hospital, Boston, MA

RESEARCH SKILLS AND QUALIFICATIONS

Programming & Software

General: Shell scripting, R, MATLAB
Neuroimaging: AFNI, SPM

Techniques

Current: fMRI/MRI, High Dimensional Data Analysis, Longitudinal Data Analysis, Structural Equation Modeling, Regularized Regression (ridge, lasso, elastic net), Dimensionality Reduction
Former: PET, EEG/ERP, Behavioral Pharmacology

Advanced Technical Training

Designing Ambulatory Assessment Studies, Pitt Methods Workshop (July 2021)
Quantitative Psychology Practicum, University of Pittsburgh (Fall 2016-Spring 2020)
Intro. to Parallel Dist. Processing, Carnegie Mellon University (Spring 2017)
Applied Longitudinal Data Analysis, University of Pittsburgh (Spring 2016)
Structural Equation Modeling, University of Pittsburgh (Fall 2015)
Fundamentals of Functional MRI, Carnegie Mellon University (Spring 2015)
AFNI Bootcamp, training in fMRI (September 2014)

MENTORED POSTDOCS

University of Minnesota

2024- Martin Gell, PhD
2024- Kate Godfrey, PhD

MENTORED STUDENTS

University of Minnesota

Full-time Mentees

2025-Pres Elena Hayday, B.S. Graduate Student (PhD) from Graduate Program in Neuroscience, University of Minnesota (Jointly with Dr. Damien Fair)

Rotation Students

Fall 2025	Delilah Pineda	Graduate Program in Neuroscience (PhD)
Spring 2025	Elena Hayday	Graduate Program in Neuroscience (PhD)
Fall 2024	Nathan Labora	Graduate Program in Neuroscience (PhD)
Summer 2024	Jiuchen Deng	Graduate Program in Applied Economics (PhD)
Spring 2025 *Jointly with Dr. Damien Fair	Erendiz Taracki	Graduate Program in Neuroscience (PhD)

MGH/Harvard

2022-2023 Emma Kraus, B.A. in Cellular Biology, Molecular Biology, & Genetics (June 2023), M.P.H. in Epidemiology & Biostatistics (June 2024), Boston University (mentored through MGH Internship)

2022-2023 Farhabi Talukder, M.P.H. in Epidemiology & Biostatistics (June 2023,), Boston University (mentored through MGH Internship)

2022 Ryan Gould, M.P.H in Epidemiology & Biostatistics (June 2023), Boston University (mentored through MGH Internship)

2021-2022 Jakob Weiss, B.S. in Biology (May 2022), Boston College (*Jointly mentored with Dr. Jodi Gilman through MGH Internship)

2021-2022 Sehyr Khan, B.A. in Neuroscience (May 2022), Wellesley College (mentored through MGH Internship)

2021-2022	Zuena Karim, B.S. in Biochemistry (May 2022), University of Texas (mentored through MGH Internship)
<i>University of Pittsburgh</i>	
2019-2020	Aagmya Singh, B.A. in Economics (May 2021), University of Pittsburgh
2018-2019	Yachana Panchal, B.S. in Neuroscience (May 2020), University of Pittsburgh
2018	Ana Almeida-Rojo, Ph.D. in (May 2023, expected), University of Pittsburgh (*Mentored during rotation Student with Dr. Luna)
2016-2018	Alina Quach. B.S. in Psychology (May 2018), University of Pittsburgh

STUDENT COMMITTEES

University of Minnesota, Institute of Child Development (ICD), Graduate Program
 Oral Prelim Committee
 Sanju Koirala Summer 2024
 Dissertation Committee
 Sanju Koirala 2025-2026
 University of Minnesota, Graduate Program in Neuroscience (GPN)
 Oral Prelim Committee
 Fleur Uittenbogaard Summer 2025
 University of Minnesota Undergraduate Honors Program
 Honors Thesis Reader:
 Max Kuntz Spring 2024
 Abhishek Mahesh Spring 2024
 Weil Cornell Medicine, Neuroscience, Graduate School of Medicine Sciences
 Dissertation Committee, External Member
 Louisa Shilling 2024-2026

TEACHING

March 2025	Guest Lecturer , <i>Career Skills Seminar (Graduate)</i> , Graduate Program in Neuroscience, University of Minnesota
Fall 2024	Co-Instructor <i>Graduate Fellowship Proposal Writing Seminar (Graduate)</i> , Institute for Child Development, University of Minnesota
September 2024	Guest Lecturer , <i>Cognitive Development (Graduate)</i> , Institute for Child Development, University of Minnesota
March 2024	Guest Lecturer , <i>Career Skills Seminar (Graduate)</i> , Graduate Program in Neuroscience, University of Minnesota
September 2023	Guest Lecturer , <i>Cognitive Development (Graduate)</i> , Institute for Child Development, University of Minnesota
March 2023	Guest Lecturer , <i>Cognitive Neuroscience (Undergraduate)</i> , Northeastern University

October 2022	Module Instructor , <i>The Neurobiology of Addiction (Professional)</i> , Massachusetts General Hospital Psychiatry Academy, Psychopharmacology Workshop
August 2022	Guest Lecturer , Athinoula A. Martinos Center for Biomedical Imaging <i>Summer Internship Program for High School Students (High School)</i>
Fall 2019	Guest Lecturer , <i>Quantitative Psychology Practicum (Graduate)</i> , University of Pittsburgh, Department of Psychology
Spring 2017	Course Instructor , <i>Research Methods Laboratory (Undergraduate)</i> , University of Pittsburgh, Department of Psychology
Fall 2013	Teaching Assistant , <i>Biopsychology (Graduate)</i> , Villanova University, Department of Psychology
Spring 2013	Teaching Assistant , <i>Social Psychology (Graduate)</i> , Villanova University, Department of Psychology

SERVICE

2020-2024	Scholars for Elevating Equity and Diversity Steering Committee & Member (2020-2024) Manuscript Management Team (2020-2022)
2020-2021	Member, Center for Diversity, Massachusetts General Hospital, Department of Psychiatry
2019-2020	Student Organizer, Quantitative Psychology Practicum (Community for Advanced Methodological Learning), University of Pittsburgh
2013-2014	Psi Chi Chapter President, Villanova University

CLINICAL INTERVENTION AND ASSESSMENT

Licensed Psychologist

2023-Pres	M Health Fairview Outpatient Psychiatry Clinic, University of Minnesota, Minneapolis, MN
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Clinical Psychology Intern/Postdoctoral Fellow

2020-2023	Addiction Recovery Management Service, Department of Psychiatry, Massachusetts General Hospital, Boston, MA
2020-2021	Outpatient Psychiatric Services, Department of Psychiatry, Massachusetts General Hospital, Boston, MA

Graduate Student

Summer 2015- Spring 2020	Clinical Psychology Center, Department of Psychology, University of Pittsburgh, Pittsburgh, PA
Summer 2019- Fall 2019	Dual Diagnosis Unit, Western Psychiatric Hospital, University of Pittsburgh Medical Center, Pittsburgh, PA
Spring 2019	Adolescent Acute Partial Hospitalization Program, Western Psychiatric Hospital, University of Pittsburgh Medical Center, Pittsburgh, PA
Summer 2018	Diagnostic and Evaluation Center, Western Psychiatric Hospital, University of Pittsburgh Medical Center, Pittsburgh, PA
Summer 2017- Fall 2017	Department of Neurosurgery, University of Pittsburgh Medical Center, Pittsburgh, PA

NON-ACADEMIC EMPLOYMENT

Fall 2010- Spring 2012	Boston Public Schools, Boston, MA Inclusion Specialist/Guidance Assistant with Wediko Children's Services
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