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Education

- (09/2009 – 06/2014) Stanford University, Ph.D. in Psychology. Dissertation: “Development of the Brain’s Reading Circuitry”.
- (09/2002 – 06/2006) University of California San Diego, BA in Political Science, minor in Psychology.

Professional Appointments

- (04/2023 – Current) Associate Professor, Division of Developmental and Behavioral Pediatrics, Stanford University School of Medicine; Graduate School of Education; Department of Psychology, Stanford University, Stanford, CA.
- (09/2019 – 04/2023) Assistant Professor, Division of Developmental and Behavioral Pediatrics, Stanford University School of Medicine; Graduate School of Education; Department of Psychology, Stanford University, Stanford, CA.
- (09/2015 – 08/2019) Assistant Professor, Department of Speech & Hearing Sciences; Institute for Learning & Brain Sciences; University of Washington, Seattle, WA.
- (09/2014 – 08/2015) Research Scientist, Institute for Learning and Brain Sciences, University of Washington. Advisor: Patricia K. Kuhl, Ph.D.
- (09/2009 – 06/2014) Graduate Student, Stanford University Department of Psychology, VISTA Lab. Advisor: Brian A. Wandell, Ph.D.
- (02/2007 – 08/2009) Lab Manager, Stanford University School of Medicine, Neural Plasticity and Recovery Lab. Advisor: Heidi M. Feldman, M.D. Ph.D.

Scholarly Publications (PDFs available at: <http://BrainAndEducation.com/publications>)

+ Denotes senior authorship with postdoc first author

++ Denotes senior authorship with student first author

Preprints of articles under review

- 1) Ramamurthy, M., Kanopka, K., Richie-Halford, A., Domingue, B., Pei, F., Bell, P., Yan, L., Hartsough, A., Gorno-Tempini, M. L., & **Yeatman, J. D.** (2024). *Design and Validation of a Rapid Visual Processing Measure for Screening Reading Difficulties in Early Childhood*. <https://doi.org/10.31234/osf.io/x6y5c>
- 2) Donnelly P.M., Gijbels I., Larson K., Matskewich T., Linnerud P., Kuhl P.K., **Yeatman J.D.**++ (2020, November 20). A Symbolic Annotation of Vowel Sounds for Emerging Readers. *PsyArXiv* <https://doi.org/10.31234/osf.io/akjdr>

Peer-reviewed journal articles

- 1) Luo, A. C., Meisler, S. L., Sydnor, V. J., Alexander-Bloch, A., Bagautdinova, J., Barch, D. M., Bassett, D. S., Davatzikos, C., Franco, A. R., Goldsmith, J., Gur, R. E., Gur, R. C., Hu, F., Jaskir, M., Kiar, G., Keller, A. S., Larsen, B., Mackey, A. P., Milham, M. P., ... Satterthwaite, T. D. (2026). Two axes of white matter development. *Nature Communications*, 1–19.
- 2) Mitchell, J. L., Yablonski, M., Stone, H. L., Jimenez, M., Takada, M. E., Tang, K. A., Tran, J. E., Chou, C., & Yeatman, J. D. (2025). The balance between stability and plasticity of the visual word form area in dyslexia. *Nature Communications*, 1–17.
- 3) Yeatman, J. D., & Yablonski, M. (2025). The virtuous cycle between education and neuroscience. *Mind, Brain and Education: The Official Journal of the International Mind, Brain, and Education Society*, mbe.70017. <https://doi.org/10.1111/mbe.70017>
- 4) Kruper, J., Richie-Halford, A., Qiao, J., Gilmore, A., Chang, K., Grotheer, M., Roy, E., Caffarra, S., Gomez, T., Chou, S., Cieslak, M., Koudoro, S., Garyfallidis, E., Satterthwaite, T. D., Yeatman, J. D., & Rokem, A. (2025). A software ecosystem for brain tractometry processing, analysis, and insight. *PLoS Computational Biology*, 21(8), e1013323.
- 5) Ramamurthy, M., Kanopka, K., Richie-Halford, A., Domingue, B. W., Pei, F., Bell, P., Yan, L., Hartsough, A., Gorno-Tempini, M. L., & Yeatman, J. D. (2025). Design and validation of a rapid visual processing measure for screening reading difficulties in early childhood. *Behavior Research Methods*, 57(9), 237.
- 6) Yablonski, M., Zhou, Z., Cao, X., Schauman, S., Liao, C., Setsompop, K., & Yeatman, J. D. (2025). Fast and reliable quantitative measures of white matter development with magnetic resonance fingerprinting. *Imaging Neuroscience*, 3, imag_a_00470.
- 7) Roy, E., Harriott, E. M., Nguyen, T. Q., Richie-Halford, A., Rokem, A., Cutting, L. E., & Yeatman, J. D. (2025). Development of the arcuate fasciculus is linked to learning gains in reading. *Imaging Neuroscience*.
- 8) Stone, H. L., Mitchell, J. L., Fuentes-Jimenez, M., Tran, J. E., Yeatman, J. D., & Yablonski, M. (2025). Anatomically distinct regions in the inferior frontal cortex are modulated by task and reading skill. *The Journal of Neuroscience: The Official Journal of the Society for Neuroscience*. <https://doi.org/10.1523/JNEUROSCI.1767-24.2025>
- 9) Caffarra, S., Karipidis, I. I., Kruper, J., Kubota, E., Richie-Halford, A., Takada, M., Rokem, A., & Yeatman, J. D. (2025). Assessing white matter plasticity in a randomized controlled trial of early literacy training in preschoolers. *PloS One*, 20(3), e0309574.
- 10) Ma, W. A., Richie-Halford, A., Burkhardt, A., Kanopka, K., Chou, C., Domingue, B., & Yeatman, J. D. (2025). ROAR-CAT: Rapid Online Assessment of Reading ability with Computerized Adaptive Testing. *Behavior Research Methods*, 57(56). <https://doi.org/10.3758/s13428-024-02578-y>
- 11) Yeatman, J. D., Tran, J. E., Burkhardt, A. K., Ma, W. A., Mitchell, J. L., Yablonski, M., Gijbels, L., Townley-Flores, C., & Richie-Halford, A. (2024). Development and validation of a rapid and precise online sentence reading efficiency assessment. *Frontiers in Education*, 9, 1494431.
- 12) Yeatman, J. D. (2024). Primate brain: A unique connection between dorsal and ventral visual cortex. *Current Biology*, 34(16), R779–R781.
- 13) Gijbels, L., Yeatman, J. D., Lalonde, K., Doering, P., & Lee, A. K. C. (2024). Audiovisual speech perception benefits are stable from preschool through adolescence. *Multisensory*

- Research*, 1(aop), 1–24.
- 14) Kruper, J., Hagen, M. P., Rheault, F., Crane, I., Gilmore, A., Narayan, M., Motwani, K., Lila, E., Rorden, C., **Yeatman, J. D.**, & Rokem, A. (2024). Tractometry of the Human Connectome Project: resources and insights. *Frontiers in Neuroscience*, 18, 1389680.
 - 15) Roy, E., Van Rinsveld, A., Nedelec, P., Richie-Halford, A., Rauschecker, A. M., Sugrue, L. P., Rokem, A., McCandliss, B. D., & **Yeatman, J. D.** (2024). Differences in educational opportunity predict white matter development. *Developmental Cognitive Neuroscience*, 67, 101386.
 - 16) **Yeatman, J.D.**, McCloy, D. R., Caffarra, S., Clarke, M. D., Ender, S., Gijbels, L., Joo, S. J., Kubota, E. C., Kuhl, P. K., Larson, E., O'Brien, G., Peterson, E. R., Takada, M. E., & Taulu, S. (2024). Reading instruction causes changes in category-selective visual cortex. *Brain Research Bulletin*, 110958.
 - 17) Gijbels, L., Burkhardt, A., Ma, W. A., & **Yeatman, J. D.** (2024). Rapid online assessment of reading and phonological awareness (ROAR-PA). *Scientific Reports*, 14(1), 1–16.
 - 18) Yablonski, M., Karipidis, I. I., Kubota, E., & **Yeatman, J. D.** (2024). The transition from vision to language: Distinct patterns of functional connectivity for subregions of the visual word form area. *Human Brain Mapping*, 45(4), e26655.
 - 19) Roy, E., Richie-Halford, A., Kruper, J., Narayan, M., Bloom, D., Nedelec, P., Rauschecker, A. M., Sugrue, L. P., Brown, T. T., Jernigan, T. L., McCandliss, B. D., Rokem, A., & **Yeatman, J. D.** (2024). White matter and literacy: A dynamic system in flux. *Developmental Cognitive Neuroscience*, 65, 101341.
 - 20) Kruper, J., Richie-Halford, A., Benson, N. C., Caffarra, S., Owen, J., Wu, Y., Egan, C., Lee, A. Y., Lee, C. S., **Yeatman, J. D.**, Rokem, A., & UK Biobank Eye and Vision Consortium. (2024). Convolutional neural network-based classification of glaucoma using optic radiation tissue properties. *Communication & Medicine*, 4(1), 72.
 - 21) Caffarra, S., Kanopka, K., Kruper, J., Richie-Halford, A., Roy, E., Rokem, A., & **Yeatman, J. D.** (2023). Development of the alpha rhythm is linked to visual white matter pathways and visual detection performance. *The Journal of Neuroscience: The Official Journal of the Society for Neuroscience*. <https://doi.org/10.1523/JNEUROSCI.0684-23.2023>
 - 22) Barrington, E., Sarkisian, S. M., Feldman, H. M., & **Yeatman, J. D.** (2023). Rapid Online Assessment of Reading (ROAR): Evaluation of an Online Tool for Screening Reading Skills in a Developmental-Behavioral Pediatrics Clinic. *Journal of Developmental and Behavioral Pediatrics: JDBP*, 44(9), e604.
 - 23) **Yeatman, J. D.** (2023). Understanding the Interplay Between Executive Functions and Reading Development: A Challenge for Researchers and Practitioners Alike. *Mind, Brain and Education*
 - 24) Grotheer, M., Bloom, D., Kruper, J., Richie-Halford, A., Zika, S., Aguilera González, V. A., **Yeatman, J. D.**, Grill-Spector, K., & Rokem, A. (2023). Human white matter myelinates faster in utero than ex utero. *Proceedings of the National Academy of Sciences of the United States of America*, 120(33), e2303491120.
 - 25) Ramamurthy, M., White, A. L., & **Yeatman, J. D.** (2023). Children with dyslexia show no deficit in exogenous spatial attention but show differences in visual encoding. *Developmental Science*, e13458.
 - 26) Gijbels, L., Lee, A. K. C., & **Yeatman, J. D.** ⁺⁺ (2023). Children with developmental dyslexia

- have equivalent audiovisual speech perception performance but their perceptual weights differ. *Developmental Science*, e13431.
- 27) White, A. L., Kay, K. N., Tang, K. A., **Yeatman, J. D.** (2023). Engaging in word recognition elicits highly specific modulations in visual cortex. *Current Biology*, 1(33), 1–13.
 - 28) Kruper, J., Benson, N. C., Caffarra, S., Owen, J., Wu, Y., Lee, A. Y., Lee, C. S., **Yeatman, J. D.**, Rokem, A., & UK Biobank Eye and Vision Consortium. (2023). Optic radiations representing different eccentricities age differently. *Human Brain Mapping*.
 - 29) Richie-Halford, A., Cieslak, M., Ai, L., Caffarra, S., Covitz, S., Franco, A. R., Karipidis, I. I., Kruper, J., Milham, M., Avelar-Pereira, B., Roy, E., Sydnor, V. J., **Yeatman, J. D.**, Satterthwaite, T. D., & Rokem, A. (2022, October). An analysis-ready and quality controlled resource for pediatric brain white-matter research. *Scientific Data*, 9(1), 1–27.
 - 30) Domingue, B. W., Dell, M., Lang, D., Silverman, R., **Yeatman, J.D.**, & Hough, H. (2022, October). The Effect of COVID on Oral Reading Fluency During the 2020–2021 Academic Year. *AERA Open*
 - 31) Domingue B.W., Kanopka K., Stenhaus B., Sulik M.J., Beverly T., Brinkhuis M., Circi R., Faul J., Liao D., McCandliss B., Obradović J., Piech C., Porter T., Consortium Project iLEAD, Soland J., Weeks J., Wise S.L., **Yeatman, J.D.** (2022, June 8). Speed–Accuracy Trade-Off? Not So Fast: Marginal Changes in Speed Have Inconsistent Relationships with Accuracy in Real-World Settings. *J. Educ. Behav. Stat.*
 - 32) White J., Burkhardt A., **Yeatman J.D.**, Goodman, N. (2022, June). Automated generation of sentence reading fluency test items. Proceedings of the Annual Meeting of the Cognitive Science Society, 44(44). <https://escholarship.org/uc/item/3804p0ff>
 - 33) Weiss Y., **Yeatman J.D.**, Ender S., Gijbels, L. Loop H., Mizrahi J.C., Woo B.U., Kuhl P.K. (2022, March 31). Can an Online Reading Camp Teach 5-Year-Old Children to Read?. *Front Hum. Neurosci.* 16: 793213.
 - 34) Grotheer M., Rosenke M., Wu H., Kular H., Querdasi F.R., Natu V., **Yeatman J.D.**, Grill-Spector K. (2022, February 22). White Matter Myelination during Early Infancy Is Linked to Spatial Gradients and Myelin Content at Birth. *Nat. Commun.* 13(1): 1-12.
 - 35) Ramamurthy, M., White, A.L., Chou, C., **Yeatman, J.D.** (2021, December 17). Spatial attention in encoding letter combinations. *Sci. Rep.* (2021). 11(1): 24179
 - 36) Caffarra, S., Karipidis, I.I., Yablonski, M., **Yeatman, J. D.** (2021, October 12). Anatomy and physiology of word-selective visual cortex: From visual features to lexical processing. *Brain Struct Funct.* 226(9): 3051:3065
 - 37) Caffarra S., Joo S.J., Bloom D., Kruper J., Rokem A., **Yeatman J.D.** (2021, December 1). Development of the Visual White Matter Pathways Mediates Development of Electrophysiological Responses in Visual Cortex. *Hum. Brain Mapp.* 42(17): 5785-5797
 - 38) Huber E.G., Mezer A., **Yeatman J.D.** (2021, November). Neurobiological Underpinnings of Rapid White Matter Plasticity During Intensive Reading Instruction. *Neuroimage.* 243: 118453
 - 39) Henriques R.N., Correia M.M., Marrale M., Huber E., Kruper J., Koudoro S., **Yeatman J.D.**, Garyfallidis E., Rokem A. (2021, July 19). Diffusional Kurtosis Imaging in the Diffusion Imaging in Python Project. *Front Human Neurosci.* 15: 675433.

- 40) Gijbels, L., **Yeatman, J.D.**, Lalonde K., and Lee, A.K. (2021, December 13). Audiovisual processing in relationship to phonological and vocabulary skills in first-graders. *J. Speech Lang. Hear.*
- 41) Cieslak M., Cook P.A., He X., ... **Yeatman J.D.**, Grafton S.T., Satterhwaite T.D. (2021, June 21). QSIPrep: An Integrative Platform for Preprocessing and Reconstructing Diffusion MRI. *Nature Methods*.
- 42) Richie-Halford A., **Yeatman J.D.**, Simon N., Rokem A. (2021, June 28). Multidimensional Analysis and Detection of Informative Features in Human Brain White Matter. *PLoS Computational Biology* 17 (6): e1009136.
- 43) Richie-Halford A., Narayan M., Simon N., **Yeatman J.D.**, Rokem A. (2021, February 24). Groupyr: Sparse Group Lasso in Python. *Journal of Open Source Software* 6 (58): 3024.
- 44) **Yeatman J.D.**, Tang K.A., Donnelly P.M., Yablonski M., Ramamurthy M., Karipidis I.L., Caffarra S., Takada M.E., Kanopka K., Ben-Shachar M., Domingue. B.W. (2021, March 18). Rapid Online Assessment of Reading Ability. *Sci Rep*
- 45) Kruper J., **Yeatman J.D.**, Richie-Halford A., Bloom D., Grotheer M., Caffarra S., Kiar G., Karipidis I.L., Roy, E., Chandio B.Q., Garyfallidis E., Rokem A. (2021, January 24). Evaluating the reliability of human brain white matter tractometry. *Aperture*.
- 46) Joo S.J., Tavibi K., Caffarra S., **Yeatman J.D.*** (2021, March). Automaticity in the Reading Circuitry. *Brain Lang* 215:104906
- 47) Grotheer M., **Yeatman J.D.**** , Grill-Spector K. (2021, February 15) White Matter Fascicles and Cortical Microstructure Predict Reading-Related Responses in Human Ventral Temporal Cortex. *NeuroImage*, 227(1): 117669. *Co-mentored postdoc first author; equal contribution senior authorship with Grill-Spector.
- 48) Donnelly P.M., Larson K., Matskewich T, **Yeatman J.D.**** (2020, December 7). Annotating Digital Text with Phonemic Cues to Support Decoding in Struggling Readers. *PloS One* 15 (12): e0243435.
- 49) O'Brien G.E., **Yeatman J.D.**** (2020, October 5) Bridging sensory and language theories of dyslexia: Toward a multifactorial model. *Dev Sci*; 24 (3): e13039
- 50) O'Brien G.E., Gijbels L., **Yeatman J.D.**** (2020, October 19) Context effects on phoneme categorization in children with dyslexia. *J. Acoust. Soc. Am.*; 148(2209): 2209-2202
- 51) Erramuzpe A., Schurr R., **Yeatman J.D.**, Gotlib I.H., Sacchet M.D., Travis K.E., Feldman H.M., Mezer A. (2020, October 23) A Comparison of Quantitative R1 and Cortical Thickness in Identifying Age, Lifespan Dynamics, and Disease States of the Human Cortex. *Cerebral Cortex*; 31(2): 1211-1226.
- 52) Li Q., Joo S.J., **Yeatman J.D.**, Reinecke K. (2020, January 22) Controlling for Participants' Viewing Distance in Large-Scale, Psychophysical Online Experiments Using a Virtual Chinrest. *Sci Rep*:1–11.
- 53) White, A.L., Boynton, G.M., **Yeatman J.D.*** (2019, December). The link between reading ability and visual spatial attention across development. *Cortex*. 121: 44-59
- 54) Donnelly, P.M., Huber, E., & **Yeatman, J.D.**** (2019, August 23). Intensive summer intervention drives linear growth of reading skill in children with dyslexia. *Frontiers in Psychology* 10(1):1-10

- 55) O'Brien G.E., McCloy D.R., **Yeatman J.D.**⁺⁺ (2019, July 18) Categorical phoneme labeling in children with dyslexia does not depend on stimulus duration. *J Acoust Soc Am* 146(1):245–255.
- 56) Bain J.S., **Yeatman J.D.**, Schurr R., Rokem A., Mezer A.A. (2019). Evaluating arcuate fasciculus laterality measurements across dataset and tractography pipelines. *Hum Brain Mapp* (April):1–17.
- 57) Keshavan A., **Yeatman J.D.**, Rokem A. (2019, May 20). Combining Citizen Science and Deep Learning to Amplify Expertise in Neuroimaging. *Front Neuroinform* 13(May):1–13.
- 58) White, A., Palmer J.P., Boynton G.M., **Yeatman J.D.**⁺ (2019, April 8). Parallel spatial channels converge at a bottleneck in anterior word-selective cortex. *Proc. Natl. Acad. Sci. U.S.A.*; 116 (20): 10087–96
- 59) Huber, E., Henriques, N.R., Owen, J.P., Rokem, A., **Yeatman J.D.**⁺ (2019, April). Applying microstructural models to understand the role of white matter in cognitive development. *Dev Cogn Neurosci*.
- 60) Kubota E.C., Joo S.J., Huber E., **Yeatman J.D.**⁺⁺ (2019, April). Word selectivity in high-level visual cortex and reading skill. *Dev Cogn Neurosci*. 9(1):1-8
- 61) Huber E.G., Donnelly, P.M., Rokem A., **Yeatman J.D.**⁺ (2018, June 8). Rapid and widespread white matter plasticity during an intensive reading intervention. *Nature Communications*. 9(1):2260
- 62) O'Brien G.E., McCloy D.R., Kubota E.C., **Yeatman J.D.**⁺⁺ (2018, November 15). Reading ability and phoneme categorization. *Scientific Reports*. 8(1):16842
- 63) Joo, S.J., White, A. L., Strodman, D., & **Yeatman, J.D.**⁺ (2018, June). Optimizing text for an individual's visual system: The contribution of crowding to reading difficulties. *Cortex*. 103:291-301
- 64) **Yeatman J.D.**, Richie-Halford A., Smith J.K., Rokem A. (2018, March 5). A browser-based tool for visualization and analysis of diffusion MRI data. *Nature Communications*. 9(1):940
- 65) Schurr R., Duan Y., Norcia A.M., Ogawa S., **Yeatman J.D.**, Mezer A. (2018, November 1). Tractography optimization using quantitative T1 mapping in the human optic radiation. *Neuroimage*. 181:645-658
- 66) Berman S., West K.L., Does M.D., **Yeatman J.D.**, Mezer A. (2017). Evaluating g-ratio weighted changes in the corpus callosum as a function of age and sex. *Neuroimage*.
- 67) Joo S.J., Donnelly P.M., **Yeatman J.D.**⁺ (2017, November 15). The causal relationship between dyslexia and motion perception reconsidered. *Scientific Reports*. 7:4185
- 68) Kay K.N., **Yeatman J.D.** (2017, February 22). Bottom-up and top-down computations in word- and face-selective cortex. *Elife*. 6:e22431
- 69) Sarica A., Cerasa A., Valentino P., **Yeatman J.D.**, Trotta M., Barone S., Granata A., Nisticò R., Perrotta P., Pucci F., Quattrone A. (2017, February). The Corticospinal Tract Profile in Amyotrophic Lateral Sclerosis. *Hum Brain Mapp*. 38(2):727-739
- 70) Teubner-Rhodes S., Vaden K.I. Jr., Cute S.L., **Yeatman J.D.**, Dougherty R.F., Eckert M.A. (2016, July 6). Aging-Resilient Associations Between the Arcuate Fasciculus and Vocabulary Knowledge: Microstructure or Morphology? *J. Neurosci*. 36(27):7210-22
- 71) **Yeatman J.D.**, Norcia A.M. (2016, November 1). Temporal Tuning of Word- and Face-Selective Cortex. *J. Cogn. Neurosci*. 28(11):1820-1827

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- 73) Travis K.E., Golden N.H., Feldman H.M., Solomon M., Nguyen J., Mezer A., **Yeatman J.D.**, Dougherty R.F. (2015). Abnormal White matter Properties in Adolescent Girls With Anorexia Nervosa. *Neuroimage Clin*. 23(9):648-59.
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- 75) Rokem A., **Yeatman J.D.**, Pestilli F., Kay K.N., Mezer A., Van der Walt S., Wandell B.A. (2015, April 16). Evaluating the Accuracy of Models of Diffusion MRI in White Matter. *PLoS ONE*. 10(4):e0123272
- 76) Takemura H., Rokem A., Winawer J., **Yeatman, J.D.**, Wandell B.A., & Pestilli F. (2015, March 31). A Major Human White Matter Pathway Between Dorsal and Ventral Visual Cortex. *Cerebral Cortex*. 26(5):2205-2214
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- 83) Durrand V.N., Loe I., **Yeatman J.D.**, Feldman H.M. (2013, September 3). Effects of Early Language, Speech and Cognition on Later Reading: A Mediation Analysis. *Front Psychol*. 4:586
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- 91) **Yeatman J.D.** & Feldman H.M. (2012, January). Neural plasticity after pre-linguistic injury to the arcuate and superior longitudinal fasciculi. *Cortex*, doi: 10.1016/j.cortex.2011.08.006.
- 92) **Yeatman J.D.**, Dougherty R.F., Rykhlevskaia E., Sherbondy A.J., Deutsch G.K., Wandell B.A., Ben Shachar M. (2011, November 1). Anatomical Properties of the Arcuate Fasciculus Predict Phonological and Reading Skills in Children. *Journal of Cognitive Neuroscience*, 23(11), 3304-3317.
- 93) Lee E.S., **Yeatman J.D.**, Luna B., Feldman H.M. (2011, April). Specific language and reading skills in school-aged children and adolescents are associated with prematurity after controlling for IQ. *Neuropsychologia*, 49(5), 906-913.
- 94) **Yeatman J.D.**, Ben-Shachar M., Glover G.F., Feldman H.M. (2010, August). Individual differences in auditory sentence comprehension in children: An exploratory event-related functional magnetic resonance imaging investigation. *Brain and Language* 114(2), 72-9
- 95) **Yeatman J.D.**, Ben-Shachar M., Bammer R., Feldman H.M. (2009, May 11). Using Diffusion Tensor Imaging and Fiber Tracking to Characterize Diffuse Perinatal White Matter Injury: A Case Report, *Journal of Child Neurology* 24(7), 795-800.
- 96) Andrews J.S., Ben-Shachar M., **Yeatman J.D.**, Luna B., Feldman H.M. (2009, June). Reading Performance Correlates with White-Matter Properties in Preterm and Term Children, *Developmental Medicine and Child Neurology* 52(6), e94-100.

Peer-reviewed publications other (reviews, commentaries, and policy briefs)

- 1) **Yeatman J.D.**, White A.L. (2021, September 15). Reading: The Confluence of Vision and Language. *Annu Rev Vis Sci*
- 2) White A.L., Boynton G.M., **Yeatman J.D.*** (2019, August 30) You can't recognize two words simultaneously. *Trends Cogn Sci*:4-5.
- 3) Domingue B.W., Hough H.J, Lang D., **Yeatman J.D.** "Changing Patterns of Growth in Oral Reading Fluency During the COVID-19 Pandemic". PACE Policy Brief March 2020

<https://edpolicyinca.org/publications/changing-patterns-growth-oral-reading-fluency-during-covid-19-pandemic>

- 4) Wandell B.A. & Yeatman J.D. (2013, April). Biological Development of Reading Circuits. *Curr Opin Neurobiol.* 23(2): 261-8.
- 5) Wandell, B.A., Rauschecker, A.M. & Yeatman, J.D. (2012, January 10). Learning to see words. *Annual Review of Psychology*, 63, 31-53.
- 6) Feldman H.M., Yeatman J.D., Lee E.S., Barde L.H., Gaman-Bean S. (2010, May). Diffusion Tensor Imaging: A Review for Pediatric Researchers and Clinicians. *Journal of Developmental Behavioral Pediatrics* 31(4), 346-56.

Published book chapters

- 1) Yeatman J.D. (2022). The Neurobiology of Literacy. In *The Science of Reading: A Handbook Second Edition* (Edited by Snowling, Hulme and Nation. Blackwell Publishing)
- 2) Yeatman J.D. (2022). Neuroplasticity in Response to Reading Intervention. In *The Cambridge Handbook of Dyslexia and Dyscalculia* (Edited by Michael Skeide. The Cambridge University Press)
- 3) Weiner K.S., Yeatman J.D. (2020). The Cognitive Neuroanatomy of Human Ventral Occipito-Temporal Cortex. In *The Cognitive Neurosciences VI* (Edited by Gazzaniga, Mangun, and Poeppel.)

Non-reviewed publications

- 1) Domingue B.W., Hough H.J., Yeatman J.D. "Has the COVID-19 Crisis Affected Reading Development". Jacobs Foundation Blog On Learning & Development (BOLD). April 2020 <https://bold.expert/has-the-covid-19-crisis-affected-reading-development/>
- 2) Yeatman J.D. (2016). What is the Role of the Visual System in Reading and Dyslexia? *International Dyslexia Association Examiner*. March, 2016.
- 3) Yeatman J.D., Feldman H.M. Review of Marlow N., Hennessy E.M., Bracewell M.A., Wolke D. (2008). Motor and Executive Function at 6 Years of Age After Extremely Preterm Birth. AA Fanaroff, RA Ehrenkranz, DK Stevenson (Eds) The Year Book of Neonatal and Perinatal Medicine. Philadelphia PA: Mosby.

Honors, Awards and Fellowships

- (2026) National Academy of Sciences Troland Research Award.
- (2024) International Mind, Brain and Education Society (IMBES) Early Career Award.
- (2022) Stanford University Department of Pediatrics Clinical Research Award.
- (2021) Stanford University Department of Pediatrics Postdoc Mentor Award.
- (2021) Society for Pediatric Research Nomination.
- (2019 - 2021) Jacobs Foundation Early Career Research Fellowship.
- (2018 - 2020) Washington State Dyslexia Advisory Council. Office of Superintendent of Public Instruction, division of special education.
- (2018 - 2022) Co-chair, Scientific Advisory Board, International Dyslexia Association.
- (2017) Early Career Award, Society for the Neurobiology of Language.

- (2017) Science of Learning Award, Flux: The Society for Developmental Cognitive Neuroscience.
- (2015) Hearst Fellowship for Research Translation, Outreach and Education.
- (2010-2013) National Science Foundation Graduate Research Fellowship.

Research Grants

Principal Investigator (current)

- (01/2025 – 01/2030) “Deep Phenotyping of Dyslexia Subtypes.” NIH NICHD R01HD116845 (PI: Yeatman; Direct costs: \$500,000/yr).
- “ROAR for multilingual learners in New York City.” Robertson Foundation. (PI: Yeatman; Direct costs: \$500,000/yr)
- “Bridging the lab and the classroom: Bringing ROAR to New York and Maine to align research and practice.” Klingenstein Foundation. (PI: Yeatman; Direct costs: \$175,000)
- (10/2023 – 10/2025) “ROAR Platform and New Assessment Components Building.” AERDF. (PI: Yeatman; Direct costs: \$625,000/yr)
- (09/2019 – 06/2024) “Neural Mechanisms of Successful Intervention in Children with Dyslexia.” NIH NICHD R01HD095861. (PI: Yeatman; Direct costs: 5 years, \$357,000/yr)
- (03/2022 – 03/2025) “Universal Dyslexia Screener.” State of California. (PI: Yeatman; Direct costs: 3 years, \$290,000/yr)
- (08/2022 – Ongoing) “Automated Online Assessment Tools and Large-Scale Data Collection to Understand the Factors that Contribute to Reading Difficulties in Grades 3-8.” Advanced Education Research and Development Fund (AERDF). (PI: Yeatman; Direct costs: ongoing, \$250,000/yr)
- (08/2021 – 08/2023) “Rapid Online Assessment of Reading Ability”. Stanford-Sequoia K-12 Research Collaborative. (PI: Yeatman; Direct costs: 2 years, \$60,000/yr)
- (06/2021 – 06/2023) “Dyslexia screening research / Online tools to measure reading skills.” Microsoft Research Grant. (PI: Yeatman; Direct costs: 2 years, \$100,000/yr).
- (06/2018 – 06/2022) “Biological Origins of Literacy.” NIH NICHD R21HD092771. (PI: Yeatman; Direct costs: 2 years, \$137,500/yr)
- (06/2017 – 06/2023) “Research on the Origins of Dyslexia.” Philanthropy (PI: Yeatman)

Co-Investigator (current)

- (09/2019-09/2023) “A Data Science Toolbox for Analysis of Human Connectome Project Diffusion MRI.” Brain Initiative NIH R01MH121868. (University of Washington PI: Rokem; Stanford PI: Yeatman)
- (09/2019-09/2024) “Testing a Computation Model of Neural Responses in Autism.” NIH R01MH118847. (PI: Murray; Stanford PI: Yeatman)

Mentor

- (10/2020-10/2022) “Mechanisms of neural plasticity underlying reading intervention in children with dyslexia.” Rothschild Postdoctoral Fellowship. (PI: Yablonski; Mentor: Yeatman)

- (01/2021–01/2023) “Investigating the causal role of attention in Dyslexia.” Maternal & Child Health Research Institute (MCHRI) Postdoctoral Research Fellowship. (PI: Ramamurthy; Mentor: Yeatman)
- (2019-2021) “Engaging Grammar and Visual Networks.” European Union’s Horizon 2020 research and innovation program under the Marie Skłodowska-Curie grant agreement No 837228 (PI: Caffarra; Mentor: Yeatman)
- (2018-2020) “Capacity limits in the neural circuitry of visual word recognition.” NIH NEI K99 EY029366-01. (PI: White; Mentor: Yeatman).
- (2017-2020) “Mind Games: A crowd-sourcing gam platform for brain MRI segmentation.” Washington Research Foundation Innovation Postdoctoral Fellowship in Neuroengineering and Data Science. (PI: Keshavan; Mentors: Yeatman/Rokem)

Principal Investigator (completed)

- (01/2019 – 01/2022) Jacobs Foundation Early Career Research Fellowship. (PI: Yeatman; Direct costs: 3 years, \$50,000/yr)
- (06/2019 – 06/2022) “Visual-Spatial Attention Based Dyslexia Interventions.” Microsoft Research Grant. (PI: Yeatman; Direct costs: 3 years, \$100,000/yr)
- (02/2021 – 02/2022) “Rapid and Automated Educational Assessment Through the Web Browser”. Wu Tsai Neuroscience:Translate Grant. (PI: Yeatman; Direct costs: 1 year, \$100,000/yr)
- (02/2021 – 11/2021) “Automated Online Assessment of Learning Differences for Personalized Education”. MediaX and Transforming Learning Accelerator Seed Grant. (PI: Yeatman; Direct costs: 1 year, \$60,000/yr)
- (2016-2019) “Biological Mechanisms Underlying the Acquisition of Reading Skills.” NSF/BSF BCS #1551330. (PI: Yeatman; Direct costs: 3 years, \$140,000/yr)
- (2018-2020) “The Florida Reading Disabilities Research Center.” NICHD P50HD052120 (PI: Wagner; Co-I: Yeatman; Direct costs: 2 years, \$25,000/yr)
- (06/2018 – 06/2020) “Big Data in Dyslexia Assessment”. Microsoft Research Grant. (PI: Yeatman)
- (06/2016 – 06/2020) “Visual Deficits and Individual Differences in Developmental Dyslexia.” Microsoft Research Grant. (PI: Yeatman)
- (2013) “Long-Term, Neurobiological Consequences of Infant Language Experience.” Stanford Center for Cognitive and Neurobiological Imaging Neuroventures Grant.
- (2011) “Quantitative Modeling of White Matter Development.” Stanford University Developmental Psychology Haas Fund Grant.

Co-Investigator (completed)

- (2016-2019) “Biological Mechanisms Underlying the Acquisition of Reading Skills.” BSF-NSF Psychology #2015608. (PI: Mezer, Co-I: Yeatman)

Clinical Trials

- (03/2020 – 06/2024) “Neural Mechanisms of Successful Intervention in Children With Dyslexia.” NCT04323488. (PI: Yeatman)
- (05/2019 – 06/2022) “University of Washington Reading & Dyslexia Research Program.”

NCT03945097. (PI: Yeatman)

Teaching

Course Instructor

- Spring 2021: Measuring Learning in the Brain (EDUC 464)
- Fall/Winter 2021/2022: Literacy Research From Lab to School (EDUC 444A)
- Fall 2020: Literacy Development and Instruction (EDUC 258)
- Fall 2020-2021: Directed Reading in Education (EDUC 180)
- Winter 2020-2022: Educational Neuroscience (EDUC 266)
- Spring 2019: Assessment and Treatment of Literacy Disorders (SPHSC 526)
- Spring, 2017; Fall 2018: Language Science and Disorders (SPHSC 562)
- Winter 2016-2018: Speech Language Hearing and the Brain (SPHSC 425)
- Spring 2016-2018: Cognitive and Integrative Neuroscience (NEURO 503)
- Spring, 2012: Statistics and data analysis in MATLAB (Psych 216A)

Guest Lectures

- Symbolic Systems (SymSys1, March 2021)
- Human Biology Core (April 2021)
- Learning Science and Technology Design Professional Seminar (April, 2021)
- Psychology Department Professional Seminar (November, 2020)
- Developmental and Psychological Sciences Faculty-Student Seminar (October, 2019)
- Cognitive and Integrative Neuroscience (Neuro 503). Teaching the section on human neuroscience (4 lectures). Spring 2016 and 2017.
- Evolution and Language (Prof. Chantel Pract). Guest lecture on reading. Winter 2016.
- Core concepts in perception (Prof. Ione Fine). Guest lecture on reading. Spring 2016.

Workshops

- MR Diffusion Imaging: From Basics to Advanced Applications. Full day educational course. Organization for Human Brain Mapping annual meeting, Vancouver, British Columbia, Canada, June, 2017.
- MR Diffusion Imaging: From Basics to Advanced Applications. Full day educational course. Organization for Human Brain Mapping annual meeting, Geneva, Switzerland, June, 2016.
- fMRI Basics for Pediatric Researchers and Clinicians. Workshop for 2008 Society for Developmental and Behavioral Pediatrics Annual Meeting, Cincinnati OH, October 17, 2008.

Professional Organization Membership

- (2009-present) Society for Neuroscience
- (2011-present) Organization for Human Brain Mapping
- (2012-present) Society for the Neurobiology of Language
- (2017-present) International Dyslexia Association
- (2020-present) Society for the Scientific Study of Reading

Selected outreach activities and media coverage

- “Stanford neuroscientists and education scholars work together on interventions to improve learning”. *Stanford Transforming Learning Accelerator*, June 11, 2021. <https://transforminglearning.stanford.edu/news/stanford-neuroscientists-and-education-scholars-work-together-interventions-improve-learning>
- “COVID: Stanford Study Shows Pandemic Curtailed Students Reading Ability”. *Mercury News*, March 9, 2021. <https://www.mercurynews.com/2021/03/09/covid-stanford-study-shows-pandemic-curtailed-students-reading-ability/>
- “New skills build new brain architecture, research shows”. *Wall Street Journal*, June 15, 2018. <https://www.wsj.com/articles/new-skills-build-new-brain-architecture-research-shows-1528993660>
- “Democratizing science: Researchers make neuroscience experiments easier to share, reproduce”. *UW News*, March 15, 2018. <https://www.washington.edu/news/2018/03/15/democratizing-science-researchers-make-neuroscience-experiments-easier-to-share-reproduce/>
- “Despite Dyslexia”. *University of Washington Columns Magazine*, September, 2018. <http://magazine.washington.edu/feature/dyslexia/>
- “What is the role of the visual system in reading and dyslexia”. *International Dyslexia Association Examinery* March 2016. <https://dyslexiaida.org/what-is-the-role-of-the-visual-system-in-reading-and-dyslexia/>
- “Foundations of Literacy” training module: <http://modules.ilabs.uw.edu/module/foundations-of-literacy/>
- “Development of Literacy” training module: <http://modules.ilabs.uw.edu/module/development-of-literacy/>
- “The neural circuitry of skilled reading” Washington Branch of the International Dyslexia Association talk series.
- University of Washington College of Arts and Sciences News Letter: “Decoding Dyslexia”. <https://artsci.washington.edu/news/2016-08/decoding-dyslexia>
- Appearance on NPR’s “The Record”: <http://kuow.org/post/scientists-discover-secret-corridor-brain-lost-100-years>

Invited Talks

1. Imperial County Office of Education. March 3, 2025, El Centro, CA. “Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom”.
2. San Luis Obispo Screener Publisher Fair. February 20, 2025, Zoom. “Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom”.
3. Shasta County Office of Education. January 14, 2025, Zoom. “Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom”.
4. Santa Barbara County Office of Education. February 6, 2025, Zoom. “Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom”.
5. Tulare County Office of Education. January 22, 2025, Zoom. “Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom”.

6. Sacramento County Office of Education. January 30, 2025, Zoom. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
7. Riverside County Office of Education. January 14, 2025, Zoom. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
8. San Joaquin County Office of Education. February 27, 2025, Stockton, CA. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
9. Orange Office of Education. February 2, 2025, Costa Mesa, CA. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
10. Contra Costa County Office of Education – Project ARISE. February 4, 2025, Zoom. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
11. Alameda County Office of Education. January 29, 2025, Hayward, CA. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
12. San Diego County Office of Education. January 23, 2025, Oceanside, CA. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
13. San Diego County Office of Education Symposium on Multilingual Learners. January 24, 2025, San Diego, CA. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
14. Merced County Office of Education. February 14, 2025, Zoom. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
15. Mendocino County Office of Education. January 22, 2025, Zoom. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
16. San Mateo County Office of Education. February 13, 2025, Redwood City, CA. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
17. Santa Clara County Office of Education. February 5, 2025, San Jose CA. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
18. Kern County Office of Education. February 7, 2025, Zoom. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
19. Los Angeles County Office of Education. January 6, 2025, Zoom. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
20. Solano County Office of Education. January 31, 2025, Zoom. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
21. Riverside County Office of Education. February 25, 2025, Riverside, CA. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
22. Ventura County Office of Education. January 30, 2025, Zoom. "Rapid Online Assessment of Reading: A Bridge Between the Lab, Community and Classroom".
23. University of Zurich Colloquium: "From the lab to the classroom and back: The virtuous cycle between education and neuroscience". March 6, 2025. Zurich, Switzerland.
24. University of Geneva Campus Biotech Colloquium: "From the lab to the classroom and back: The virtuous cycle between education and neuroscience". March 4, 2025. Geneva, Switzerland.
25. Lunch and Lit Seminar: "Beyond compliance: Multi-tiered systems of support with ROAR". February 28, 2025. Zoom.

26. UC Berkeley Psychology Department Colloquium speaker. February 10, 2024, Berkeley, CA. "From the lab to the classroom and back: The virtuous cycle between education and neuroscience."
27. The Help Group Summit 2024 Distinguished Speaker. November 15, 2024, Los Angeles, CA. "How does the brain learn to read, why do some children struggle, and what is the impact of evidence-based intervention?"
28. International Mind Brain and Education Society Early Career Award Presentation. July 11, 2024, Leaven, Belgium. "From the lab to the classroom and back: The virtuous cycle between education and neuroscience."
29. International Society for Technology in Education (ISTE) symposium speaker. June 25, 2024, Denver, CO. "Rapid Online Assessment of Reading (ROAR): A bridge between the lab, community and classroom"
30. The Dyslexia Foundation Exceptional Brains Symposium speaker. Jun 13, 2024, Malta. "From the lab to the classroom and back: The virtuous cycle between education and neuroscience".
31. Keynote speaker at Learning Ally's Spotlight on Dyslexia Virtual Conference. June 6, 2024, Zoom. "How Does the Brain Learn to Read?"
32. California Dyslexia Initiative Conference: Screening, Instruction, and Intervention in an MTSS Framework. June 11, 2024, Zoom. "How does the brain learn to read, why do some children struggle and what is the impact of evidence-based intervention."
33. Belmont Redwood Shores School District School Board Meeting. "Bridging the lab, community and classroom". April 18, 2024, Belmont CA.
34. ASU+GSV Summit State of the Art & Practice Lightning Talks: Eradicating Illiteracy PreK-12. April 15, 2024, San Diego, California.
35. Everyone Reading Illinois Keynote Presentation, October 5, 2023, Zoom. "Rapid Online Assessment of Reading – A bridge between the lab and the classroom"
36. California Dyslexia Initiative Professional Learning Network Keynote Presentation, October 4, 2023, Zoom. "How does the brain learn to read, why do some children struggle and what is the impact of evidence-based intervention?"
37. California Dyslexia Initiative Professional Learning Network Breakout Room Presentation, October 4, 2023, Zoom. "What is the role of the visual system in dyslexia and are measures of visual processing relevant for screening?"
38. Barksdale Reading Institute "Lunch and Lit" speaker series, May 26, 2023, Zoom. "What is the role of the visual system in reading and dyslexia."
39. DIPY Annual Workshop Keynote Address, April 27, 2023, Zoom. "The dynamic interplay between white matter plasticity and learning throughout childhood."
40. Oportunidades e Desafios para Competência Leitora com Equidade no Brasil, April 27, 2023, Zoom. "Rapid Online Assessment of Reading: Bridging the Lab, Classroom and Community."
41. DIPY Annual Workshop Keynote Address, April 26, 2023, Zoom. "Searching for brain pathways: Discovery and reproducibility."
42. New York University Colloquium, March 1, 2023, New York, NY. "From the lab to the classroom and back: The virtuous cycle between education and neuroscience"

43. Belmont School District, November 30, 2022, Belmont, CA. "Developmental foundations of literacy: Why do some children effortlessly learn to read while others struggle?"
44. New York University Department of Psychology Colloquium, October 27, 2022, Virtual. "The dynamic interplay between white matter plasticity and learning"
45. Vanderbilt Brain Institute Colloquium, September 20, 2022, Nashville, TN. "The dynamic interplay between white matter plasticity and learning"
46. Flux Society Annual Congress Symposium, Sep 9 2022, Paris, France. "The dynamic interplay between white matter plasticity and learning in childhood"
47. Wu Tsai Neurosciences Retreat, May 24 2022, Santa Cruz, CA. "White matter plasticity and learning".
48. State of California Office of Education. May 5, 2022, Virtual. "Are Measures of Visual Processing Useful for Dyslexia Screening?"
49. Brain Imaging Research Center University of Connecticut Speaker Series. December, 2021, Virtual. "Neural Plasticity in Developmental Dyslexia."
50. Royal Holloway and Oxford University joint meeting. February 2021, Virtual. "Rapid Online Assessment of Reading Ability."
51. Symposium, Society for the Scientific Study of Reading Conference. July 2021, Virtual. "Dynamic interactions between brain changes and reading development: Overview."
52. Alabama Advanced Imaging Consortium (AAIC) 9th Annual Retreat Plenary Lecture. July 2020, Virtual. "Plasticity and Learning: Measuring How Education Shapes Brain Development".
53. Wyoming Department of Education Embracing Literacy Conference. July 2020, Virtual. "The Dyslexic Brain".
54. Literacy and the Science of Reading. Palo Alto Dyslexia Awareness Month. October 2020, Virtual. "The Virtuous Cycle Between Education and Neuroscience".
55. Woodside school district PTA meeting. November 2020, Virtual. "The Dyslexic Brain".
56. Marin City Sausalito School Board Meeting. April 2021, Virtual. "Rapid Online Assessment of Reading Ability"
57. Woodside School Board Meeting. April 2021, November 2020, Virtual. "Rapid Online Assessment of Reading Ability".
58. Stanford University Department of Pediatrics Grand Rounds, February 2020, Palo Alto, CA. "Neural Plasticity in Developmental Dyslexia"
59. Plenary talk, Language Disorders Across the Lifespan Symposium American Neurological Association, St. Louis, MO, October 2019. "Neural Plasticity in Developmental Dyslexia"
60. Stanford University Department of Psychology Colloquium, November 2019, Stanford CA. "Plasticity and Learning: How Education Shapes Brain Development"
61. Sherman Education Neuroscience Symposium, International Dyslexia Association Annual Meeting, Portland, OR, November 2019. "The Virtuous Cycle Between Education and Neuroscience"
62. University of California San Francisco Memory and Aging Center Grand Rounds, San Francisco, CA, May 2018. "Neural Plasticity in Children With Dyslexia"

63. Stanford University Graduate School of Education Colloquium, Stanford, CA, May 2018. “The Virtuous Cycle Between Neuroscience and Education: Neural Plasticity in Children With Dyslexia”
64. University of California Berkeley, Berkeley, CA, April 2018.
65. Massachusetts Institute of Technology, Boston, MA, April 2018.
66. Florida Center for Reading Research, Florida State University, Tallahassee, FL, April 2018.
67. Global Literacy Workshop. Stanford Center for Advanced Behavioral Studies. Stanford, CA, January 2018.
68. Early Career Award Speech. Society for the Neurobiology of Language. October, 2017, Baltimore, MD.
69. Mind, Brain & Culture Symposium. Emery, Atlanta, GA, October 2017.
70. Science of Learning Symposium. Flux: The Society for Developmental Cognitive Neuroscience. Portland, OR, September 2017.
71. Human Brain Mapping Educational Course, Vancouver, British Columbia. June 2017.
72. University Nevada Reno, April, 2017.
73. Neurocomputation and Engineering Connection, Seattle, Washington, January, 2017.
74. Vision Lunch, Stanford University, Stanford California, December, 2016.
75. American Speech-Language-Hearing Association, Philadelphia, Pennsylvania, November, 2016.
76. Society for Neuroscience, San Diego, California, November 2016.
77. Flux Conference Educational Neuroscience Symposium. September 2016.
78. Human Brain Mapping Educational Course, Geneva, Switzerland. June 2016.
79. Basque Center on Cognition Brain and Language, San Sebastian, Spain. June 2016.
80. Florida Center for Reading Research, Florida State University, Tallahassee, Florida, May, 2016.
81. Vision Science Society, St Pete Beach, Florida. May 2016.
82. University of Pennsylvania, Philadelphia, Pennsylvania, March 2016.
83. Georgetown University, Washington DC. March, 2016.
84. Johns Hopkins University, Baltimore MD, March, 2016.
85. University of Washington Institute for Neuroengineering. February, 2016.
86. Microsoft Research, Redmond, Washington. January, 2016.
87. Taskar center for accessible technology memorial event, Seattle, Washington. January 2016.
88. KU Leuven, Leuven, Belgium. March, 2015
89. Maastricht University, Maastricht, Netherlands. March 2015
90. Institute national de la santé et de la recherché médicale – Neurospin, Paris, France. March 2015
91. Morris Center, Ocala, Florida. May 2015
92. Cognitive Development Society, Early development, conceptual change, and continuity: insights from cognitive neuroscience symposium, Columbus, Ohio. October 2015
93. University of Minnesota, Minneapolis, Minnesota. November, 2015.
94. University of California San Diego, San Diego, California. November 2015

Conference Presentations

1. Gijbels, L.; Yeatman, J.D.; Lalonde K.; Lee, A.K. (2021, March 4-6). Audiovisual processing in relationship to phonological and vocabulary skills. Poster Presentation. AAS 2021, 48th Annual Scientific and Technology Conference, Scottsdale, AZ, United States.
2. Yeatman JD. (2021). Dynamic interactions between brain changes and reading development: Overview. Society for the Scientific Study of Reading Conference. Oral Presentation. 2021
3. Caffarra, S., Joo, S., Bloom, D., Kruper, J, Rokem, A., & Yeatman. J. D. (April, 2021). Maturation changes of the visual pathways mediate development of visual electrophysiological responses. 12th Annual Stanford Pediatrics Research Retreat poster presentation.
4. Caffarra, S., Joo, S., Bloom, D., Kruper, J, Rokem, A., & Yeatman. J. D. (May, 2021). Development of the visual pathways predicts changes in electrophysiological responses in visual cortex. VSS virtual conference poster presentation.
5. Caffarra, S., Joo, S., Bloom, D., Kruper, J, Rokem, A., & Yeatman. J. D. (June, 2021). Development of the visual pathways mediates development of electrophysiology in visual cortex. OHBM virtual conference poster presentation.
6. Ramamurthy, M., White, A., Takada, M.E., & Yeatman, J.D., (2020). Mechanisms of selective attention in reading. Flux Virtual Congress. The International congress for Integrative Developmental Cognitive Neuroscience. (Poster).
Ramamurthy, M.,
7. Ramamurthy M., Takada M.E., Chou., C., & Yeatman, J.D., (2021). Do children with dyslexia show abnormal development of visual-spatial attention? 12th Annual Pediatrics Research Retreat. (Poster)
8. Ramamurthy, M., White, A., Chou., C., & Yeatman, J.D., (2021). Mechanisms of covert spatial attention in encoding letter combinations. Vision Science Society. (Poster).
9. Takada, M.E., Donnelly, P.M., Gijbels, L., Kanopka, K., Lemons, C.J., & Yeatman, J.D. (2021). The Relationship Between Parental Mindsets and Children's Reading Abilities in Elementary School (poster). Society for Research in Child Development, virtual conference.
10. Roy, EA., Richie-Halford, A., Narayan, M., Kruper, J., Rokem, A., & Yeatman, JD. (2021). White matter networks predict development of reading and math abilities. In 27th Annual Meeting of the Organization for Human Brain Mapping. OHBM (poster).
11. Bloom, D., Kruper, J., Yeatman, J., & Rokem, A. A data-driven approach to fine-grained segmentation of human brain white matter bundles. Poster presented at: Organization for Human Brain Mapping Annual Meeting; June 21-25 2021;
12. White, A. Tang, K. & Yeatman, J. (2021). The spatial tuning of the visual word form area depends jointly on stimulus type and task demands. Poster presentation at the (virtual) annual meeting of the Vision Sciences Society, May 2021.
13. White, A. Tang, K. & Yeatman, J. (2020). The field of view for word recognition: crowding and hemifield asymmetries. Poster presentation at the (virtual) annual meeting of the Vision Sciences Society, June 2020.

14. White, A. Palmer, J., Boynton, G.M. & Yeatman, J. (2019). Parallel spatial channels for word recognition converge at a bottleneck in anterior word-selective cortex. Oral presentation at the annual meeting of the Vision Sciences Society, May 2019, St Pete's Beach, Florida.
15. Kruper J, Yeatman J, Richie-Halford A, Bloom D, Grotheer M, Caffarra S, Kiar G, Karipidis I, Roy E, and Rokem A. 2021. 'The test-retest reliability and robustness of diffusion-MRI based tractometry'. Poster presentation International Society for Magnetic Resonance in Medicine.
16. Kruper J, Yeatman J, Richie-Halford A, Bloom D, Grotheer M, Caffarra S, Kiar G, Karipidis I, Roy E, and Rokem A. 2021. 'Evaluating the reliability of diffusion-MRI based tractometry'. Poster Annual Meeting of the Organization for Human Brain Mapping.
17. Richie-Halford, A., Yeatman, J., Simon, N. & Rokem, A. (2021b). Multidimensional analysis and detection of informative features in human white matter [Invited talk at Neural Computation and Engineering Connection 2021].
18. Richie-Halford, A., Yeatman, J., Simon, N. & Rokem, A. (2021c). Relating brain connections to behavior in the era of brain observatories [Presentation at eScience Institute Postdoc Seminar 2021].
19. Richie-Halford, A., Yeatman, J., Simon, N. & Rokem, A. (2020). Multidimensional analysis and detection of informative features in diffusion MRI measurements of human white matter [Interactive talk at Neuromatch 2020 conference].
20. Joo, S. J., & **Yeatman, J. D.** (2017). *Automaticity in the reading circuitry: A hallmark of skilled reading*. Flux. Portland.
21. Huber E, Donnelly PD, Rokem A, **Yeatman JD** (2017). *Brief, Intensive Reading Intervention Alters White Matter Properties Throughout a Widespread Network*. Human Brain Mapping. Vancouver, Canada.
22. Donnelly PM, Huber E, **Yeatman JD** (2017). *Intensive summer reading intervention drives linear growth of reading skill in dyslexic children*. Society for the Scientific Study of Reading. Halifax, Canada.
23. Joo SJ, Donnelly PM, **Yeatman JD** (2017). *Learning to read does not affect motion processing in dyslexia*. Vision Science Society. St Pete's Beach.
24. Huber E, Donnelly PM, Rokem A, **Yeatman JD** (2017). *Reading intervention induces change in white matter and behavior*. Vision Science Society. St Pete's Beach.
25. **Yeatman, J. D.**, White, A. L., Strodtman, D. J., Donnelly, P. M., & Joo, S. J. (2017). *Visual deficits and individual differences in developmental dyslexia*. Vision Science Society. St. Pete's Beach Florida.
26. Berman S, **Yeatman JD**, Mezer A (2016). *10. Evaluating g-ratio changes in the corpus callosum as a function of age and sex.. Toward a super-big brain: promises and pitfalls of microstructural imaging*. Montreal, Canada.
27. **Yeatman JD**, Kay KN (2016). *A fully computable model of bottom-up and top-down processing in high-level visual cortex*. Vision Science Society. Geneva, Switzerland.
28. Huber E, Donnelly PD, Rokem A, **Yeatman JD** (2017). *Brief, Intensive Reading Intervention Alters White Matter Properties Throughout a Widespread Network*. Human Brain Mapping. Vancouver, Canada.

29. Bain J, **Yeatman JD**, Rokem A, Mezer A (2016). *Implications of tractography algorithm class on arcuate fasciculus laterality*. Human Brain Mapping. Geneva, Switzerland.
30. **Yeatman J.D.**, Wandell B.A., Mezer A. Quantitative biological measurements of white matter development. Poster presentation at the Neurobiology of Language Conference, San Diego, CA, November 2013.
31. **Yeatman J.D.**, Mezer A., Rokem A., Pestilli F., Feldman H., Wandell B.A., Automated fiber-tract quantification of white matter tissue biology. Poster presentation at the Organization for Human Brain Mapping Annual Meeting, Seattle, WA, June 2013.
32. Rokem A., **Yeatman J.D.**, Pestilli F., Kay K.N., Mezer A., van der Walt S., Wandell B.A. Evaluating models of diffusion-weighted MRI data with cross-validation. Poster presentation at the Organization for Human Brain Mapping Annual Meeting, Seattle, WA, June 2013.
33. Pestilli F., **Yeatman J.D.**, Rokem A., Kay K.N., Wandell B.A. Linear fascicle evaluation (LiFE) of white matter connectomes. Poster presentation at the Organization for Human Brain Mapping Annual Meeting, Seattle, WA, June 2013.
34. Takemura H., Pestilli F., Rokem A., Winawer J., **Yeatman J.D.**, Wandell B.A. The visual dorsal and ventral streams communicate through the vertical occipital fasciculus. Poster presentation at the Organization for Human Brain Mapping Annual Meeting, Seattle, WA, June 2013.
35. Mezer A., **Yeatman J.D.**, Rokem A., Wandell B.A. Language white matter tract laterality from tractography to biophysical meaning. Poster presentation at the Organization for Human Brain Mapping Annual Meeting, Seattle, WA, June 2013.
36. Kronfeld-Duenias V., Amir O., Ezrati R., Civier O., **Yeatman J.D.**, Ben-Shachar M. Reduced anisotropy in right hemisphere tracts of adults who stutter. Poster presentation at the Organization for Human Brain Mapping Annual Meeting, Seattle, WA, June 2013.
37. Johnson R.T., Wu_Nordahl C., **Yeatman J.D.**, Wandell B.A. Ameral D.G. Diffusion-tensor properties along the major white-matter fiber bundles in typically developing children between 2 and 5 years old. Poster presentation at the Organization for Human Brain Mapping Annual Meeting, Seattle, WA, June 2013.
38. Pestilli F., **Yeatman J.D.**, Rokem A., Kay K.N., Wandell B.A. Linear fascicle evaluation (LiFE) of white matter connectomes. Poster presentation at the International Society for Magnetic Resonance in Medicine, Salt Lake City, UT, April 2013.
39. Mezer A., **Yeatman J.D.**, Rokem A., Wandell B.A. The sources of white matter lateralization explored by conjunction of quantitative MRI methods. Poster presentation at the International Society for Magnetic Resonance in Medicine, Salt Lake City, UT, April 2013.
40. **Yeatman J.D.**, Dougherty R.F., Myall N.J., Wandell B.A., Feldman H.M. Tract profiles of white matter properties: Automating fiber-tract quantification. Poster presentation at the Society for Neuroscience Annual Meeting, New Orleans, LA, October 2012.
41. Mezer A., **Yeatman J.D.**, Stikov N., Kay K.N., Dougherty R.F., Parvizi J., Butts-Pauly K., Wandell B.A. A new quantitative MRI contrast for measuring white matter myelin. Poster presentation at the Organization for Human Brain Mapping Annual Meeting, Quebec Canada, June 2011.

42. **Yeatman J.D.**, Rykhlevskaia E., Ben-Shachar M., Thomas E.A.C., Deutsch G.K., Wandell B.A., Dougherty R.F. Developmental trajectories of white matter fascicles are associated with children's reading skills: a 3-year longitudinal study. Poster presentation at the Society for Neuroscience Annual Meeting, San Diego, CA, November 2010.
43. Lee E.S., **Yeatman J.D.**, Bammer R., Feldman H.M. Diffusion Tensor Imaging Finds Different Patterns of Associations between White Matter Microstructure, Age, Language and Reading Skills in 9-16 Year Old Preterm and Full-term Children. Poster presentation at the Society for Neuroscience Annual Meeting, San Diego, CA, November 2010.
44. Barde L.H.F., **Yeatman J.D.**, Lee E.S., Glover G., Feldman H.M. An fMRI investigation of individual differences in auditory sentence comprehension in adolescent children born prematurely. Poster Presentation at the Society for Neuroscience Annual Meeting, San Diego, CA, November 2010.
45. **Yeatman J.D.**, Barde L.H.F., Feldman H.M. Language and Reading in a Child with a Missing Arcuate Fasciculus: a Diffusion Tensor Imaging Case Study. Poster Presentation at the Society for Neuroscience Annual Meeting, Chicago, IL, October 2009.
46. Lee E.S., **Yeatman J.D.**, Luna B., Feldman H.M. Verbal Working Memory and Sentence Comprehension in Preterm Children 9-16 Years Old. Poster presentation at the Society for Developmental-Behavioral Pediatrics Annual Meeting, Portland, OR, October 2009.
47. **Yeatman J.D.**, Ben-Shachar M., Glover G.H., Feldman H.M. The Effect of Syntactic Complexity and Sentence Length on Oral Language Processing in Children: A Functional Neuroimaging Study. Poster presentation at the Cognitive Neuroscience Society Annual Meeting, San Francisco, CA, March 2009.
48. **Yeatman J.D.** (2017). *White matter plasticity and learning to read*. Society for the Neurobiology of Language. Baltimore, MD.
49. **Yeatman JD**, Kay KN (2016). *Network level interactions drive response properties in word- and face-selective cortex..* Society for Neuroscience. San Diego, USA.
50. **Yeatman JD**, Kay KN (2016). *Network level interactions drive response properties in word- and face-selective cortex..* Vision Science Society. St Pete's Beach, FL, USA.
51. **Yeatman J.D.**, Wandell B.A., Mezer A. Quantitative biological measurements of white matter development. Oral presentation for Society for Neuroscience Annual Meeting, San Diego, CA, November 2013.
52. **Yeatman J.D.**, Mezer A., Perry L.M., Nguyen J., Main K., Wandell B.A. Quantitative biological measurements of white matter development. Oral presentation for the Organization for Human Brain Mapping Annual Meeting, Seattle, WA, June 2013.
53. **Yeatman J.D.**, Dougherty R.F., Ben-Shachar M., Wandell B.A. Dual process account of the joint development of white matter and reading skills. Oral presentation for the Neurobiology of Language conference, San Sebastian, Spain, October 2012.
54. **Yeatman J.D.**, Mezer A., Wandell B.A. Identifying biological signatures of occipital white matter pathways with novel quantitative magnetic resonance imaging methods. Oral presentation for Society for Neuroscience Annual Meeting, Washington DC, November, 2011
55. **Yeatman J.D.**, Dougherty R.F., Rykhlevskaia E., Deutsch G., Wandell B.A., Ben-Shachar M. Anatomy of the Arcuate Fasciculus is Associated with Phonology and Reading Skills in Children. Oral presentation for Organization for Human Brain Mapping Annual Meeting, Barcelona Spain, June 6, 2010

56. **Yeatman J.D.**, Loe I.M., Feldman H.M. The Association of SES, Cognitive Abilities, and Language Skills at 3 and 4 Years of Age and Reading Abilities at 9-12 Years of Age. Publication #2. Platform presentation at the 2007 Society for Developmental-Behavioral Pediatrics Annual Meeting, Providence, RI, September 2007.
57. Andrews J.S., Ben-Shachar M., **Yeatman J.D.**, Luna B., Feldman H.M. White Matter Differences and Reading in Preterm Children. Poster presentation at the Society for Neuroscience Annual Meeting, Washington DC, November 2008.
58. Loe I.M., **Yeatman J.D.**, Velanova K., Luna B., Feldman H.F. A Functional Magnetic Resonance Imaging (fMRI) Study of Response Inhibition in Attention Deficit/Hyperactivity Disorder (ADHD). Platform presentation at the Pediatric Academic Societies/Society for Pediatric Research/Ambulatory Pediatrics Association Annual Meeting, Honolulu, HI, May 2008.
59. Loe I.M., Luna B., **Yeatman J.D.**, and Feldman H.M. Tower of London Performance in Subtypes of Attention-Deficit/Hyperactivity Disorder (ADHD). Publication #19. Poster presentation at the Society for Developmental-Behavioral Pediatrics Annual Meeting, Providence, RI, September 2007.

National Service and Professional Activities

Grant review

- National Science Foundation AD Hoc Grant reviewer (2016 - present)
- National Science Foundation Grant Review Panelist (October, 2016)
- Schwab Center Innovations Award Review Panel (August, 2020)
- Schwab Center Innovations Award Review Panel (January, 2020)

Advisory roles

- International Dyslexia Association Scientific Advisory Board co-chair (2018 – 2022)
- International Dyslexia Association Impact Steering Committee (August 2022 – present)
- Universal California Literacy Kit Advisor (July 2022 – present)

Ad-Hoc Reviewing and Editorial Service

- Nature Neuroscience (2014-present)
- Nature Communications (2015-present)
- Neuron (2015-present)
- PNAS (2015-present)
- Elife (2018-present)
- Journal of Neuroscience (2014-present)
- Cerebral Cortex (2012-present)
- Brain and Language (2012-present)

Service to Education and Local Organizations

- Professional development for Sequoia Collaborative school districts: Presentation at staff meetings on “The Science of Reading: Best Practices in Assessment and Instruction”.

- Professional development and assistance with remote reading assessment for KIPP Public Schools, Northern California. Administration of reading assessment in 9 KIPPS schools, creation of score reports, and professional development with teachers at each school to plan interventions for struggling readers (May-August 2021).
- Administration and professional development for reading assessments for summer reading intervention program at Belmont Redwood Shores School District (June-August 2021).
- Marin City Sausalito School Board Meeting. “Rapid Online Assessment of Reading Ability” (April 2021)
- Woodside staff meeting: Professional development regarding dyslexia (March 2021)
- Woodside school board presentation: “Rapid Online Assessment of Reading Ability”
- PAUSD staff meeting: Dyslexia assessment tools (April 2021)
- Literacy and the Science of Reading. Palo Alto Dyslexia Awareness Month. “The Virtuous Cycle Between Education and Neuroscience” (October 2020)
- Woodside school district PTA meeting. “The Dyslexic Brain” (November 2020)
- Assessment/screening for reading difficulties administered to the whole Belmont Redwood Shores school district. (March – June 2021)
- Assessment/screening for reading difficulties administered to the whole Woodside school district. Results were compiled and returned to the assistant superintendent along with professional development on next steps. (March – June 2021)
- Domingue B.W., Hough H.J, Lang D., **Yeatman J.D.** “Changing Patterns of Growth in Oral Reading Fluency During the COVID-19 Pandemic”. PACE Policy Brief and Working Paper. March 2020 <https://edpolicyinca.org/publications/changing-patterns-growth-oral-reading-fluency-during-covid-19-pandemic>

University Service (Stanford University)

- Graduate School of Education 3 part professional learning series “[Beyond Compliance: Understanding Dyslexia Screening and Best Practices with Stanford’s Rapid Online Assessment of Reading \(ROAR\) Team](#)”. (February 2025)
- Speaker at Classes Without Quizzes, Stanford Reunion. (October 2021)
- Speaker and panelist for “Stanford Vision Conversations Series: Accelerating Solutions for Humanity”. (March 2022)
- Early Childhood Task Force (April 2019-September 2021)
- Learning Differences Interdisciplinary Seed Grant Reviewer (July 2021)
- C-SHaRP Experimental Learning Grant for students to run MRI projects in EDUC 464 (March-June, 2021)
- Transforming Learning Accelerator Spring Summit Speaker (June 2021)
<https://transforminglearning.stanford.edu/news/stanford-neuroscientists-and-education-scholars-work-together-interventions-improve-learning>
- 12th Annual Pediatrics Research Retreat Symposium Speaker: “The virtuous cycle between education and neuroscience: Neural plasticity in children with dyslexia” (April 2021).
- Speaker at GSE staff meeting (April 2021).

- Mentoring Clinical Fellows in Developmental Behavioral Pediatrics (June 2020-present; Elizabeth Barrington and Machiko Hosaki)
- Developmental Behavioral Pediatrics Fellow Core Topic Review: Dyslexia. (May 2021)
- Elisabeth Barrington, Scholarly Oversight Committee (May 2021 – present)
- Measurement at Stanford Talk series. “Rapid Online Assessment of Reading Ability” (January 2021)
- Neuroscience of Early Childhood Learning Event. Wu Tsai Neuroscience Institute. Speaker and breakout room leader (October 2020).
- Education Neuroscience Collaborative Group Meetings (October 2019-present)
- Stanford Radio “School’s In” Podcast (December, 2019): “Understand the mechanisms that underlie the process of learning to read with guest Jason Yeatman”
<https://soundcloud.com/user-458541487/understand-the-mechanisms-that-underlie-the-process-of-learning-to-read-with-guest-jason-yeatman>
- Graduate School of Education Advisory Council Speaker (September 2019)

University Service (University of Washington)

Training Grant Preceptor

- NIH-T32DC005361: Auditory Neuroscience Training Grant (PI: David Perkell).
- NIH-T32CA206089: Big Data for Genomics and Neuroscience Training Grant (PIs: Noble, Witten, Fairhall, Daniel).

Doctoral Supervisory / Thesis Committee

- Patrick Donnelly, Department of Speech and Hearing Sciences. Role: Ph.D. advisor.
- Gabrielle O’Brien, Department of Speech and Hearing Sciences. Role: Ph.D. advisor.
- Jose Ceballos, Department of Psychology. Role: Graduate School Representative.
- Timothy Rich, Rehabilitation Medicine. Role: Graduate School Representative.
- Kristian M Eschenburg, Bio Engineering. Role: Graduate School Representative.
- Kelly Chang. Psychology. Role: Graduate School Representative

Departmental Committees

- (2016-2017) Research Colloquium Committee
- (2016-2017) Undergraduate Curriculum Committee
- (2017-2018) Student Research Committee

Grant Review

- Research Royalty Fund (RRF) grant reviewer (2016, 2017).