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Education

- (2009-2014) Stanford University, Ph.D. in Psychology.
- (2002-2006) University of California San Diego, BA in Political Science, minor in Psychology.

Positions

- (2015-Current) Assistant Professor, Department of Speech & Hearing Sciences and Institute for Learning & Brain Sciences, University of Washington, Seattle, WA.
- (2014-2015) Research Scientist, Institute for Learning and Brain Sciences, University of Washington. Advisor: Patricia K. Kuhl, Ph.D.
- (2009-2014) Graduate Student, Stanford University Department of Psychology, VISTA Lab. Advisor: Brian A. Wandell, Ph.D.
- (2007-2009) Lab Manager, Stanford University School of Medicine, Neural Plasticity and Recovery Lab. Advisor: Heidi M. Feldman, M.D. Ph.D.

Publications

Peer reviewed journals

- Teubner-Rhodes S., Vaden K.I. Jr., Cute S.L., **Yeatman J.D.**, Dougherty R.F., Eckert M.A. (2016). Aging-Resilient Associations Between the Arcuate Fasciculus and Vocabulary Knowledge: Microstructure or Morphology? *J. Neurosci.* 36(27):7210-22
- **Yeatman J.D.**, Norcia A.M. (2016). Temporal Tuning of Word- and Face-Selective Cortex. *J. Cogn. Neurosci.*
- Weiner K.S.W., **Yeatman J.D.**, Wandell B.A. (2016). The Posterior Arcuate Fasciculus and the Vertical Occipital Fasciculus. *Cortex.*
- 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.
- Duan Y., Norcia A.M., **Yeatman J.D.**, Mezer A. (2015). The Structural Properties of Major White Matter Tracts in Strabismic Amblyopia. *Invest. Ophthalmol. Vis. Sci.* 1;56(9):5152-60.
- Rokem A., **Yeatman J.D.**, Pestilli F., Kay K.N., Mezer A., Van der Walt S., Wandell B.A. (2015). Evaluating the Accuracy of Models of Diffusion MRI in White Matter. *PLoS ONE.* 10(4):e0123272
- Takemura H., Rokem A., Winawer J., **Yeatman, J.D.**, Wandell B.A., & Pestilli F. (2015). A Major Human White Matter Pathway Between Dorsal and Ventral Visual Cortex. *Cerebral Cortex.*
- **Yeatman J.D.**, Weiner K.S., Pestilli F., Rokem A., Mezer A., Wandell B.A. (2014). The

Vertical Occipital Fasciculus: A Century of Controversy Resolved by In Vivo Measurements. *Proc. Natl. Acad. Sci. U.S.A.* 111(48): E5214-E5223.

- **Yeatman J.D.**, Wandell B.A., Mezer A. (2014). Lifespan Maturation and Degeneration of Human Brain White matter. *Nature Communications*. 5:4932
- Pestilli F., **Yeatman J.D.**, Rokem A., Kay K.N., Wandell B.A. (2014). Evaluation and Statistical Inference for Human Connectomes. *Nature Methods*. 11(10), 1058-1063.
- Johnson R.T., **Yeatman J.D.**, Wandell B.A., Buonocore M.H., Amaral D.G., Nordahl C.W. (2013). Diffusion Properties of Major White Matter Tracts in Young, Typically Developing Children. *Neuroimage*. 88, 143-154.
- Main K.L., Pestilli F., Mezer A., **Yeatman J.D.**, Martin R., Phipps S., Wandell B.A. (2014). Speed discrimination predicts word but not pseudo-word reading rate in adults and children. *Brain and Language*. 138, 27-37.
- Ogawa S., Takemura H., Horiguchi H., Terao M., Haji T., Pestilli F., **Yeatman J.D.**, Tsuneoka H., Wandell B.A., Masuda Y. (2014). Invest. Ophthalmol. Vis. Sci. 25;55(10):6976-86
- Durrand V.N., Loe I., **Yeatman J.D.**, Feldman H.M. (2013). Effects of Early Language, Speech and Cognition on Later Reading: A Mediation Analysis. *Front Psychol*. 4:586
- Mezer, A., **Yeatman J. D.**, Stikov N., Kay K., Cho N.J., Dougherty R. F., Perry L. M., Parvizi J., Hua L., Butts-Pauly K., Wandell B.A. (2013). Quantifying the Local Tissue Volume and Composition in Individual Brains with MRI. *Nature Medicine*. 19(12), 1667-1672.
- **Yeatman J.D.**, Rauschecker A.M., Wandell B.A., (2013). Anatomy of the Visual Word Form Area: Adjacent Cortical Circuits and Long-Range White Matter Connections. *Brain and Language*. 125(2), 146-155.
- Wandell B.A. & **Yeatman J.D.** (2013). Biological Development of Reading Circuits. *Curr Opin Neurobiol*. 23(2): 261-8.
- **Yeatman J.D.**, Dougherty R.F., Myall N.J., Wandell B.A., Feldman H.M. (2012) Tract Profiles of White Matter Properties: Automating Fiber-Tract Quantification. *PLoS ONE*, 7(11): E49790.
- **Yeatman J.D.**, Dougherty R.F., Ben-Shachar M., Wandell B. (2012). The Development of White Matter and Reading Skills. *Proc. Natl. Acad. Sci. U.S.A.* 109(44): E3045-53.
- Feldman H.M., Lee E.S., Yeatman J.D., Yeom K.W. (2012). Language and Reading Skills in School-Aged Children and Adolescents Born Preterm are Associated with White Matter Properties on Diffusion Tensor Imaging. *Neuropsychologia*, 50(14): 3348-62.
- Myall N.J., Yeom K.W., **Yeatman J.D.**, Gaman-Bean S., Feldman H.M. (2013). Case Series: Fractional Anisotropy Along the Trajectory of Selected White Matter Tracts in Adolescents Born Preterm With Ventricular Dilation. *Journal of Child Neurology*. 28(6), 774-780.
- Barde L.H.F., **Yeatman J.D.**, Lee E.S., Glover G.F., Feldman H.M. (2012). Differences in neural activation between preterm and fullterm born adolescents on a sentence comprehension task: Implications for educational accommodation. *Developmental Cognitive Neuroscience*, doi: 10.1016/j.dcn.2011.10.002.
- **Yeatman J.D.** & Feldman H.M. (2012). Neural plasticity after pre-linguistic injury to the arcuate and superior longitudinal fasciculi. *Cortex*, doi: 10.1016/j.cortex.2011.08.006.
- Wandell, B.A., Rauschecker, A.M. & **Yeatman, J.D.** (2012). Learning to see words. *Annual Review of Psychology*, 63, 31-53.

- **Yeatman J.D.**, Dougherty R.F., Rykhlevskaia E., Sherbondy A.J., Deutsch G.K., Wandell B.A., Ben Shachar M. (2011). Anatomical Properties of the Arcuate Fasciculus Predict Phonological and Reading Skills in Children. *Journal of Cognitive Neuroscience*, 23(11), 3304-3317.
- Lee E.S., **Yeatman J.D.**, Luna B., Feldman H.M. (2011). Specific language and reading skills in school-aged children and adolescents are associated with prematurity after controlling for IQ. *Neuropsychologia*, 49(5), 906-913.
- Feldman H.M., **Yeatman J.D.**, Lee E.S., Barde L.H., Gaman-Bean S. (2010). Diffusion Tensor Imaging: A Review for Pediatric Researchers and Clinicians. *Journal of Developmental Behavioral Pediatrics* 31(4), 346-56.
- **Yeatman J.D.**, Ben-Shachar M., Glover G.F., Feldman H.M. (2010). Individual differences in auditory sentence comprehension in children: An exploratory event-related functional magnetic resonance imaging investigation. *Brain and Language* 114(2), 72-9
- **Yeatman J.D.**, Ben-Shachar M., Bammer R., Feldman H.M. (2009). 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.
- Andrews J.S., Ben-Shachar M., **Yeatman J.D.**, Luna B., Feldman H.M. (2009). Reading Performance Correlates with White-Matter Properties in Preterm and Term Children, *Developmental Medicine and Child Neurology* 52(6), e94-100.

Non peer reviewed publications

- **Yeatman J.D.** (2016). What is the Role of the Visual System in Reading and Dyslexia? *International Dyslexia Association Examiner*. March, 2016.
- **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.

Fellowships

- (2015) Hearst Fellowship for Research Translation, Outreach and Education.
- (2010-2013) National Science Foundation Graduate Research Fellowship.

Research Grants

- (2016) "Biological mechanisms underlying the acquisition of reading skills." NSF/BSF BCS #1551330.
- (2013) "Long-term, neurobiological consequences of infant language experience." Stanford Center for Cognitive and Neurobiological Imaging Neuroventures Grant.
- (2012) "Quantitative, high-resolution, MRI mapping of tissue properties in the human brain." Weston Havens Foundation Grant.
- (2012) "Retinotopic organization of white matter near visual cortex." Stanford Center for Cognitive and Neurobiological Imaging Neuroventures Grant.
- (2011) "Quantitative modeling of white matter development." Stanford University Developmental Psychology Haas Fund Grant.

Awards

- (2013) Organization for Human Brain Mapping Trainee Abstract Award
- (2012) Bio-X Travel Award
- (2012) Society for the Neurobiology of Language Travel Award
- (2011) Bio-X Travel Award
- (2010) Organization for Human Brain Mapping Trainee Abstract Award
- (2010) Norman Anderson Funds

Teaching

Course Instructor

- Winter 2016: Speech Language Hearing and the Brain (SPHSC 425)
- Spring, 2012: Statistics and data analysis in MATLAB (Psych 216A)

Guest Lectures

- Winter, 2014: Human Neuroimaging Methods (Psych 204B, Graduate, Prof. Kalanit Grill-Spector)
- Winter 2013: Lab in Experimental Methods (Psych 254, Graduate, Prof. Michael Frank)
- Spring, 2013: Cognitive Neuroscience (Psych 202, Graduate, Prof. Brian Wandell)
- Fall, 2011: Human Neuroimaging Methods (Psych 204A, Graduate, Prof. Brian Wandell)
- Spring, 2011: Introduction to Learning and Memory (Psych 45, Undergraduate, Prof. Anthony Wagner)
- Fall, 2010: Statistical Methods for Behavioral and Social Sciences (Psych 252, Graduate, Prof. Ewart Thomas)
- Fall 2011 & Fall 2012: Cognitive Development (Psych 141, Undergraduate, Prof. Ellen Markman)
- Spring 2011: Origin of Mental Life (Psych 11N, Undergraduate, Prof. Ellen Markman)

Workshops

- Feldman H.M., **Yeatman J.D.**, Holland S.K., Vanest J., Schapiro M., Newmyer A. fMRI Basics for Pediatric Researchers and Clinicians. Workshop for 2008 Society for Developmental and Behavioral Pediatrics Annual Meeting, Cincinnati OH, October 17, 2008.

Professional Organizations

- Society for Neuroscience
- Organization for Human Brain Mapping
- Society for the Neurobiology of Language

Ad-Hoc Reviewing

- Nature Neuroscience
- PNAS
- Journal of Neuroscience

- Cerebral Cortex
- Neuroimage
- Neuropsychologia
- Brain and Language
- Neuroscience & Biobehavioral Reviews

Conference Presentations

Oral Presentations

- **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.
- **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.
- **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.
- **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
- **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
- **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.

Poster Presentations

- **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.
- **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.
- 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.
- 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.

- 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.
- 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.
- 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.
- 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.
- 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.
- 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.
- **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.
- 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.
- **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.
- 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.
- 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.
- **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.
- 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.

- **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.
- 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.
- 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.
- 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.