

Andrew Lynn, Ph.D.

Curriculum Vitae

Department of Psychology & Human Development
Peabody College, Vanderbilt University
230 Appleton Place, Nashville, TN 37203

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EMPLOYMENT

2020 – Present Post-doctoral Research Scholar
Department of Psychology & Human Development
Vanderbilt University, Nashville, TN

EDUCATION

2020 Ph.D., Psychology
Brown University, Providence, RI

2016 Sc.M., Psychology
Brown University, Providence, RI

2011 B.S., Psychology
Pennsylvania State University, University Park, PA

FELLOWSHIPS

National Science Foundation, Graduate Research Fellowship	2015 – 2018
Brown University, Betty & James Pickett Endowed Fellowship	2014 – 2015

RESEARCH FUNDING

Pilot Grant Center for Vision Research, Brown Institute for Brain Science
Brown University, Providence, RI
Andrew Lynn, PI
2018-2019
\$6,810

INVITED LECTURES

Examining the developmental relationship between visual processing and visual attention.
Developing Minds Lab, Department of Psychological and Brain Sciences, Boston
University, Boston, MA, 2019.

Visual perceptual discrimination and object-based attention: Inducing the other-species effect.
Department of Psychology, Columbia University, New York, NY, 2017.

PUBLICATIONS

*authors contributed equally to this paper

1. **Lynn A**, Maule J & Amso D. Visual processing contributions to visual attention development across childhood. *Manuscript in preparation*.
2. Amso D, Govindarajan L, Baumgartner H, **Lynn A**, Gunther K, Placido D, Sharma T, Veerabadran V, Gupta P, Thakkar K, Seungchan K & Serre T. Using computational analysis of behavior to discover developmental change in memory-guided attention mechanisms in childhood. *Manuscript in preparation*.
3. **Lynn A**, Humphreys KL & Price GR. The long arm of adversity: Children's kindergarten math skills are associated with parent's own childhood adversity. *Manuscript under review*.
4. **Lynn A**, Luna B & O'Hearn K. Atypical development of visual working memory performance in autism spectrum disorder. *Manuscript in revision*.
5. **Lynn A**, Wilkey E & Price GR. (2021). Predicting children's math skills from task-based and resting-state functional brain connectivity. *Cerebral Cortex*, *in press*.
6. **Lynn A** & Amso D. (2021). Attention along the cortical hierarchy: Development matters. *WIREs Cognitive Science*, e1575. doi: 10.1002/wcs.1575
7. O'Hearn K, Larsen B, Fedor F, Luna B & **Lynn A**. (2020). Representational similarity analysis reveals atypical age-related changes in brain regions supporting face and car recognition in autism. *NeuroImage*, 209, 116322.
8. **Lynn A**, Festa E, Heindel W & Amso D. (2020). What underlies visual selective attention development? Evidence that age-related improvements in visual feature integration influence visual selective attention performance. *Journal of Experimental Child Psychology*, 191, 104732.
9. *Werchan D, ***Lynn A**, Kirkham N & Amso D. (2019). The emergence of object-based visual attention in infancy: A role for family socioeconomic status and competing visual features. *Infancy*, 24(5), 752-767. doi: 10.1111/infa.12309.

10. Fedor J, **Lynn A**, Foran W, DiCicco-Bloom J, Luna B & O’Hearn K. (2018). Patterns of fixation during face recognition: Differences in autism across age. *Autism*, 22(7), 866-880. doi: 10.1177/1362361317714989.
11. Amso D & **Lynn A**. (2017). Distinctive mechanisms of adversity and socioeconomic inequality in child development: A review and recommendations for evidence-based policy. *Policy Insights from Behavioral and Brain Sciences*, 4(2), 139-146. doi: 10.1177/2372732217721933.
12. **Lynn A**, Padmanabhan A, Simmonds D, Foran W, Hallquist M, Luna B & O’Hearn K. (2016). Functional connectivity differences in autism during face and car recognition: underconnectivity and atypical age-related changes. *Developmental Science*, 21, e12508. doi: 10.1111/desc.12508.
13. O’Hearn K, Velanova K, **Lynn A**, Wright C, Hallquist M, Minshew N & Luna B. (2016). Abnormalities in brain systems supporting individuation and enumeration in autism. *Autism Research*, 9(1), 82-96. doi: 10.1002/aur.1498.
14. O’Hearn K, Tanaka J, **Lynn A**, Fedor J, Minshew N & Luna B. (2014). Developmental plateau in visual object processing from adolescence to adulthood in autism. *Brain and Cognition*, 90, 124-134. doi: 10.1016/j.bandc.2014.06.004.
15. Padmanabhan A, **Lynn A**, Foran W, Luna B & O’Hearn K. (2013). Age related changes in striatal resting state functional connectivity in autism. *Frontiers in Human Neuroscience*, 7, No.814. doi: 10.3389/fnhum.2013.00814.

REFEREED ABSTRACTS

1. **Lynn A**, Wilkey ED, & Price GR. *Canonical network functional connectivity predicts math achievement in childhood: A connectome-based predictive modeling approach*. Poster presented at: Flux Congress; Virtual, 2021.
2. **Lynn A**, Wilkey ED, & Price GR. *Predicting children’s math skills from functional brain network connectivity*. Poster presented at: The Organization for Human Brain Mapping Annual Meeting; Virtual, 2021.
3. **Lynn A**, Maule J, & Amso D. *Examining the developmental relationship between visual processing and visual selective attention*. Talk presented at: Society for Research in Child Development Biennial Meeting; Virtual, 2021.
4. **Lynn A**, Rida L, Maule J, & Amso D. *Visual processing contributions to visual attention development across childhood*. Poster presented at: Cognitive Development Society Biennial Conference; Louisville, KY, 2019.

5. **Lynn A**, Govindarajan L, Placido D, Seungchan K, Thakkar K, Serre T & Amso D. *Top-down saliency maps link physical navigation and memory-guided attention in early childhood*. Poster presented at: Flux Congress; New York, NY, 2019.
6. **Lynn A**, Festa E, Heindel W & Amso D. *Feature integration across the dorsal and ventral streams in childhood*. Poster presented at: Flux Congress; Berlin, Germany, 2018.
7. **Lynn A**, Festa E, Heindel W & Amso D. *Feature integration across the dorsal and ventral streams in childhood*. Poster presented at: Annual Meeting of the Vision Sciences Society; St. Pete's Beach, FL, 2018.
8. **Lynn A** & Amso, D. *Valence modulates visual perceptual discrimination: Evidence from the other-species effect*. Poster presented at: Flux Congress; St. Louis, MO, 2016.
9. **Lynn A** & Amso, D. *Dorsal stream hierarchical organization and the development of visual attention*. Poster presented at: Flux Congress; Leiden, Netherlands, 2015.
10. **Lynn A**, Luna B, Foran W, Simmonds D, Padmanabhan A, Hallquist M & O'Hearn K. *Atypical development of functional connectivity during face processing in autism*. Poster presented at: Inaugural Flux Congress; Pittsburgh, PA, 2013.
11. **Lynn A**, Luna B, Foran W, Simmonds D, Padmanabhan A, Hallquist M & O'Hearn K. *Atypical functional connectivity and development during face processing in autism*. Poster presented at: Association for Psychological Science Convention; Washington, DC, 2013.

TEACHING EXPERIENCE

- Graduate Teaching Assistant, Brown University, CLPS Department 2018
 Course: Child Language Acquisition
 Instructor: Dr. James Morgan
 Enrollment: 12
 Evaluation: 1.33 (Very Effective)
- Graduate Teaching Assistant, Brown University, CLPS Department 2018
 Course: Introduction to Developmental Psychology
 Instructor: Dr. Dima Amso
 Enrollment: 139
 Evaluation: 1.56 (Effective)
- Laboratory Teaching Assistant, Brown University, Pre-college program: STEM II 2017, 2018
 Course: Introduction to Neuroscience
 Instructor: Rannie Xu
 Enrollment: 19 (2017) , 18 (2018)
 Evaluation: 1.18 (Very Effective), 1.40 (Very Effective)

Graduate Teaching Assistant, Brown University, CLPS Department 2017
 Course: Functional Magnetic Resonance Imaging: Theory and Practice
 Instructor: Dr. David Badre
 Enrollment: 21
 Evaluation: 1.22 (Very Effective)

MENTORING

Undergraduate

Leah Shelton	Honors Thesis	Vanderbilt University	2020 – 2021
Dhruv Kohli	Research Fellowship	University of Pittsburgh	2014
Jennifer Fedor	Honors Thesis	University of Pittsburgh	2012 – 2013
Jared Diccio-Bloom	Honors Thesis	University of Pittsburgh	2013

SERVICE

College & Department

Committee Member 2016 – 2018
 Diversity and Inclusion Action Plan
 Department of Cognitive, Linguistic, and Psychological Sciences
 Brown University

Chair of Student Life 2017 – 2018
 Graduate Student Council
 Brown University

Graduate Student Representative 2015 – 2017
 Department of Cognitive, Linguistic, and Psychological Sciences
 Brown University

Department Representative 2014 – 2017
 Graduate Student Council
 Brown University

Professional

Ad-hoc Journal Article Reviews

Psychological Science, Journal of Cognitive Neuroscience, Developmental Cognitive Neuroscience, Journal of Experimental Psychology: Learning, Memory, and Cognition, PLOS One

Conference Program Committees

Abstracts for Society for Research in Child Development 2021

TRAINING

Executive Scholar Training 2018
Brown University

Analysis of Functional Neuro-Imaging (AFNI) Bootcamp 2012
National Institutes of Health