



Mahalakshmi Ramamurthy

Postdoctoral Scholar, Developmental Behavioral Pediatrics

 NIH Biosketch available Online

Bio

BIO

I am a postdoctoral scholar working with Dr. Jason Yeatman. With a background in vision science, psychophysics and developmental cognitive neuroscience my long-term goal is to study the intersection of basic visual mechanisms and various neurodevelopmental disorders and to extend this understanding in creating effective early screening tools, and in advancing evidence-based therapeutic and remediation programs. Inherent to this interest is the need for developmental data in large and demographically diverse populations. I strongly believe that such inclusive research not only contributes to scientific advancements but can go beyond to bridge health and education disparities.

INSTITUTE AFFILIATIONS

- Member, Maternal & Child Health Research Institute (MCHRI)

HONORS AND AWARDS

- Postdoctoral award, MCHRI (2021)

PROFESSIONAL EDUCATION

- Doctor of Philosophy, University of Massachusetts Boston (2018)
- Master of Science, University of Waterloo (2011)
- Bachelor of Science, Birla Institute of Technology and Science (2008)
- BS, Elite School of Optometry, BITS, Pilani , Optometry (2008)
- MS, University of Waterloo , Vision Science (2011)
- PhD, University of Massachusetts , Developmental Brain Sciences (2018)

STANFORD ADVISORS

- Jason Yeatman, Postdoctoral Faculty Sponsor

COMMUNITY AND INTERNATIONAL WORK

- Volunteer lead

Research & Scholarship

RESEARCH INTERESTS

- Assessment, Testing and Measurement
- Brain and Learning Sciences

- Child Development
- Data Sciences
- Early Childhood
- Learning Differences

LAB AFFILIATIONS

- Jason Yeatman, Brain development and Education Lab (11/1/2019)

Publications

PUBLICATIONS

- **Children with dyslexia show no deficit in exogenous spatial attention but show differences in visual encoding.** *Developmental science*
Ramamurthy, M., White, A. L., Yeatman, J. D.
2023: e13458
- **Spatial attention in encoding letter combinations.** *Scientific reports*
Ramamurthy, M., White, A. L., Chou, C., Yeatman, J. D.
1800; 11 (1): 24179
- **Rapid online assessment of reading ability.** *Scientific reports*
Yeatman, J. D., Tang, K. A., Donnelly, P. M., Yablonski, M., Ramamurthy, M., Karipidis, I. I., Caffarra, S., Takada, M. E., Kanopka, K., Ben-Shachar, M., Domingue, B. W.
2021; 11 (1): 6396
- **The ups and downs of sensory eye balance: Monocular deprivation has a biphasic effect on interocular dominance.** *Vision research*
Ramamurthy, M. n., Blaser, E. n.
2021; 183: 53–60
- **Assessing the kaleidoscope of monocular deprivation effects** *JOURNAL OF VISION*
Ramamurthy, M., Blaser, E.
2018; 18 (13): 14
- **New rules for visual selection: Isolating procedural attention** *JOURNAL OF VISION*
Ramamurthy, M., Blaser, E.
2017; 17 (2): 18
- **Light and Sight** *Light and Its Many Wonders, National Academy of Sciences*
Ramamurthy, M., Vasudevan, L.
Viva Books, India, 2015: 368-380
- **Color shifts at different viewing eccentricities on flat-panel rear projection displays in steps of perceptibility threshold units** *JOURNAL OF MODERN OPTICS*
Ramamurthy, M., Hovis, J., Zsivanov, D., Lakshminarayanan, V.
2013; 60 (14): 1151-1158