

Shipra Kanjlia

Postdoctoral Researcher
Department of Psychology
Carnegie Mellon University
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Education & Training

- 2019- Carnegie Mellon University
Postdoctoral Researcher, Psychology
Advisor: Jessica Cantlon
- 2018-2019 Johns Hopkins University
Postdoctoral Researcher, Psychological & Brain Sciences
Advisor: Marina Bedny
- 2013-2018 Johns Hopkins University
PhD, Psychological & Brain Sciences
Advisor: Marina Bedny
- 2013-2015 Johns Hopkins University
MA, Psychological & Brain Sciences
Advisor: Marina Bedny
- 2008-2012 Wesleyan University
BA Psychology, Neuroscience, Biology
Advisor: Hilary Barth

Publications

- Kanjlia, S.**, Feigenson, L., & Bedny, M. (In Preparation) Neural basis of approximate number system is resilient to dramatic change in visual experience. bioRxiv 573436.
- Loiotile, R. E., **Kanjlia, S.**, & Bedny, M. (In Preparation). “Visual” cortices of congenitally blind adults are sensitive to response selection demands in a Go/No-Go task.
- Pant, R., **Kanjlia, S.**, Lane, C., & Bedny, M. (2020). A sensitive period in the neural phenotype of language in blind individuals. *Developmental Cognitive Neuroscience*, 41, 100744.
- Cantrell, L. M., **Kanjlia, S.**, Harrison, M., Luck, S. J., & Oakes, L. M. (2019). Cues to individuation facilitate 6-month-old infants' visual short-term memory. *Developmental psychology*.
- Kanjlia, S.**, Pant, R., & Bedny, M. (2018) Sensitive period for cognitive repurposing of human visual cortex. *Cerebral Cortex*, bhy280.

- Kanjlia, S.**, Feigenson, L., & Bedny, M. (2018) Numerical cognition is resilient to dramatic changes in early sensory experience. *Cognition*, 179, 111-120.
- Kim, J., **Kanjlia, S.**, Merabet, L., & Bedny, M. (2017) Development of the visual word form area requires visual experience: Evidence from blind Braille readers. *The Journal of Neuroscience*, 37(47), 11495-11504.
- Oakes, L.M., Baumgartner, H.A., **Kanjlia, S.**, & Luck, S.J. (2017) An eye-tracking investigation of binding in infants' visual short-term memory. *Infancy*, 22(5), 584-607.
- Kanjlia, S.**, Lane, C., Feigenson, L., & Bedny, M. (2016) Absence of visual experience modifies the neural basis of number. *Proceedings of the National Academy of Sciences*, 113(40), 11172-11177.
- Lane, C., **Kanjlia, S.**, Richardson, H., Fulton, A., Omaki, A., & Bedny, M. (2016) Reduced left-lateralization of language in congenitally blind individuals. *Journal of Cognitive Neuroscience*, 29(1), 65-78
- Lane, C., **Kanjlia, S.**, Omaki, A., & Bedny, M. (2015). "Visual" cortex of congenitally blind adults responds to syntactic movement. *The Journal of Neuroscience*, 35(37), 12859-12868.
- Barth, H., Slusser, E., **Kanjlia, S.**, Garcia, J., Taggart, J. & Chase, E. (2015) How feedback improves children's numerical estimation. *Psychonomic Bulletin & Review*, 1-8.

Conference Presentations

- Kanjlia, S.**, Loiotile, R., Harhen, N. & Bedny, M. (2019) Sub-specialization of visual cortex for multiple higher cognitive functions in congenital blindness. *Cognitive Neuroscience Society 26th Annual Meeting*, San Francisco, CA.
- Kanjlia, S.** & Bedny, M. (2018) Sub-specialization of visual cortex for higher cognitive functions in congenital blindness. *Vision Sciences Society 18th Annual Meeting*, St. Petersburg, FL.
- Kanjlia, S.** & Bedny, M. (2018) Early visual cortex is recruited for executive functioning in congenital blindness. *Cognitive Neuroscience Society 25th Annual Meeting*, Boston, MA.
- Pant, R., **Kanjlia, S.**, & Bedny, M. (2017) A sensitive period for higher-cognitive repurposing of visual cortex in blindness. *Neurobiology of Language 9th Annual Meeting*, Baltimore, MD.
- Pant, R., **Kanjlia, S.**, & Bedny, M. (2017) A sensitive period for higher-cognitive repurposing of visual cortex in blindness. *Society for Neuroscience 47th Annual Meeting*, Washington, DC.
- Kanjlia, S.**, Feigenson, L., & Bedny, M. (2017) A sensitive period for higher-cognitive repurposing of visual cortex in blindness. *Society for Neuroscience 47th Annual Meeting*, Washington, DC.
- Kanjlia, S.**, Feigenson, L., & Bedny, M. (2017) A critical period for number-related plasticity in the visual cortex of blind individuals. *Vision Sciences Society 17th Annual Meeting*, St. Petersburg, FL.

- Kanjlia, S.,** Feigenson, L., & Bedny, M. (2016) Intraparietal sulcus codes for auditory quantities. Cognitive Neuroscience Society 24rd Annual Meeting, San Francisco, California.
- Kim, J., **Kanjlia, S.,** Merabet, L., & Bedny, M. (2016) Blind individuals do not develop a reading area in ventral occipitotemporal cortex. Cognitive Neuroscience Society 24rd Annual Meeting, San Francisco, California
- Kanjlia, S.,** Lane, C., Feigenson, L., & Bedny, M. (2016) Plasticity and functional connectivity in foveal and peripheral V1 of congenitally blind individuals. Vision Sciences Society 16th Annual Meeting, St. Petersburg, FL.
- Kanjlia, S.,** Lane, C., Feigenson, L., & Bedny, M. (2016) Functional connectivity predicts “visual” cortex plasticity in congenital blindness. Cognitive Neuroscience Society 23rd Annual Meeting, New York, New York.
- Lane, C., **Kanjlia, S.,** Omaki, A., & Bedny, M. (2015) Atypical language lateralization in congenital blindness. Society for Neurobiology of Language 7th Annual Meeting, Chicago, IL.
- Kim, J.S. **Kanjlia, S.,** & Bedny, M. (2015) Braille Reading in the visual vortex of blind individuals. Society for Neurobiology of Language 7th Annual Meeting, Chicago, IL.
- Kanjlia, S.,** Kim, J.S. & Bedny, M. (2015) Braille processing in visual cortex of congenitally blind individuals. Society for Neuroscience 45th Annual Meeting, Chicago, IL.
- Kanjlia, S.,** Lane, C., Feigenson, L., & Bedny, M. (2015) Visual cortex of congenitally blind adults responds to symbolic math. Vision Sciences Society 15th Annual Meeting, St. Petersburg, FL.
- Kanjlia, S.,** Lane, C., Feigenson, L., & Bedny, M. (2015) Numerical abilities develop independent of visual experience. Cognitive Neuroscience Society 22nd Annual Meeting, San Francisco, CA.
- Bedny, M., Lane, C., & **Kanjlia, S.** (2014) Higher-order cognitive functions in the “visual” cortex of congenitally blind adults. Cognitive Neuroscience Society 22nd Annual Meeting, San Francisco, CA.
- Kanjlia, S.,** Lane, C., Feigenson, L., & Bedny, M. (2014) Neural substrates of numerical processing develop independent of visual experience. Society for Neuroscience 44th Annual Meeting, Washington D.C.
- Lane, C., **Kanjlia, S.,** Omaki, A., & Bedny, M. (2014) Domain specific higher-cognitive responses in “visual” cortex of blind adults. Society for Neuroscience 44th Annual Meeting, Washington D.C.
- Kanjlia, S.,** Baumgartner, H., Oakes, L.M., Luck, S.J. (2014) Facilitating 6-month-old infants' visual short-term memory for multiple-item arrays. Vision Sciences Society 14th Annual Meeting, St. Petersburg, FL.
- Kanjlia, S.,** Baumgartner, H., Oakes, L.M., Luck, S.J. (2013) Feature Binding in Infants' Visual Short-Term Memory. Conference abstract, Annual Meeting of the Society for Research in Child Development (SRCD).
- Barth, H., **Kanjlia, S.,** Slusser, E., Garcia, J., & Chase, E. (2011). Proportional reasoning and children’s number line estimation: The role of feedback. Conference abstract, Biennial Meeting of the Cognitive Development Society (CDS)
- Slusser, E., Garcia, J., MacDonald, K., Acheampong, A., **Kanjlia, S.,** Santiago, R., & Barth, H. (2011). Evidence that proportion-judgment models explicate children's performance on number-line estimation tasks. Conference abstract, Meeting of the Eastern Psychological Association (EPA)
- Barth, H., Garcia, J., Slusser, E., MacDonald, K., Acheampong, A., **Kanjlia, S.,** & Santiago, R. (2011). Proportional reasoning shapes children's number-line estimates. Annual Meeting of the Society for Research in Child Development (SRCD).

Honors/Awards

2019 National Eye Institute Vision Sciences Society Postdoctoral Travel Grant
2019 Cognitive Neuroscience Society Postdoctoral Fellow Award
2018 Mary Ainsworth Award for Outstanding Female in Psychology
2015 Cognitive Neuroscience Society Graduate Student Award
2015 Robert S. Waldrop Junior Investigator's Award for Excellence in Research
2015 Society for Neurobiology of Language Abstract Merit Award
2013 Owen's Scholar Award, Johns Hopkins University

Teaching Assistantships

Sp. 2017 Foundations of Brain, Behavior and Cognition, Dr. Linda Gorman
Fall 2016 Foundations of Brain, Behavior and Cognition, Dr. Linda Gorman
Sp. 2015 Foundations of Brain, Behavior and Cognition, Dr. Linda Gorman
Fall 2014 Foundations of Brain, Behavior and Cognition, Dr. Linda Gorman
Sp. 2016 Foundations of Mind with Drs. Justin Halberda Lisa Feigenson
Taught three-hour section once a week, section of 15 students
Fall 2015 Research Methods Teaching Assistant, Dr. Howard Egeth
Taught three-hour section once a week, section of 17 students
Sp. 2014 Sensation & Perception, Drs. Steven Yantis, Stuart Hendry, Melissa Kibbe

Service

National Federation of the Blind Youth Slam Instructor – July 24-28, 2017
Patterson High School Johns Hopkins Visit – Fall 2016, Fall 2017
Baltimore Polytechnic Institute Brain Awareness Day Instructor – Spring 2014
Mercy Hospital, Cystoscopy & Endoscopy Volunteer – 9/2017 to 12/2018
Healthcare for the Homeless Chocolate Affair Charity Gala Volunteer – 2/4/17, 2/3/18, 2/2/19