

# GIULIA VALERIA ELLI

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## EDUCATION

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<b>PhD</b>	<b>Johns Hopkins University (Baltimore, MD)</b> Department of Psychological and Brain Sciences Advisor: Dr. Marina Bedny	August 2014 – present
<b>Master of Arts</b>	<b>Johns Hopkins University (Baltimore, MD)</b> Department of Psychological and Brain Sciences Advisor: Dr. Marina Bedny	May 2016
<b>Master of Sciences</b>	<b>Graduate Program in Cognitive Science</b> 110 / 110 with Honor (USA GPA: 4.00) Double-degree joint education program consisting of: <ul style="list-style-type: none"><li>• Master of Science in Cognitive Science – Neuroscience University of Trento – CIMEC (Rovereto, Italy)</li><li>• Diploma (Magister) in Cognitive Science International School for Advanced Studies – SISSA (Trieste, Italy)</li></ul>	July 2014
<b>Bachelor of Sciences</b>	<b>University of Milano – Bicocca (Milan, Italy)</b> 110 / 110 (USA GPA: 3.79) Department of Psychology	July 2012

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## PUBLICATIONS

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Elli, G. V., Lane, C., & Bedny, M. (2019). A double dissociation in sensitivity to verb and noun semantics across cortical networks. *Cerebral Cortex*, bhz014, DOI: <https://doi.org/10.1093/cercor/bhz014>

Kim, J.S., Elli, G.V., Bedny, M. (2019). Knowledge of animal appearance among sighted and blind adults. *Proceedings of the National Academy of Sciences*  
DOI: <https://doi.org/10.1073/pnas.1900952116>  
Preprint available on PsyArXiv: [10.31234/osf.io/hw5pm](https://doi.org/10.31234/osf.io/hw5pm)

Bedny, M., Koster-Hale, J., Elli, G.V., Yazzolino, L., & Saxe, R. (2019). There's more to "sparkle" than meets the eye: Knowledge of vision and light verbs among congenitally blind and sighted individuals. *Cognition*, 189, 105-115. <https://doi.org/10.1016/j.cognition.2019.03.017>

Davies-Thompson, J., **Elli, G. V.**, Rezk, M., Benetti, S., Van Ackeren, M. J., & Collignon, O. (2018). Hierarchical brain network for face and voice integration of emotion expression. *Cerebral Cortex*, 1-16. DOI: <https://doi.org/10.1093/cercor/bhy240>

**Elli, G. V.**, Benetti, S., & Collignon, O. (2014). Is there a future for sensory substitution outside academic laboratories? *Multisensory research*, 27(5-6), 271-291. DOI: 10.1163/22134808-00002460

## MANUSCRIPTS IN PREPARATION

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**Elli, G.V.**, Bedny, M., & Landau, B. (in prep.). Perceptual experience and the acquisition of perceptual verbs: Can the blind see?

**Elli, G.V.**, Lane, C., & Bedny, M. (in prep.). Bossy brides and pious nuns: a neural representational similarity analysis of social categories.

## PEER-REVIEWED CONFERENCE PRESENTATIONS

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**Elli, G.V.**, Bedny, M., & Landau, B. (2019). How do Young Children Think the Blind See? Paper symposium (talk) presented at the *Society for Research in Child Development*, Baltimore, MD.

**Elli, G.V.**, Pant, R., Achtman, R., & Bedny, M. (2018). The neural basis of concrete noun and verb meanings in congenitally blind individuals: An MVPA fMRI study. Poster presented at the *Society for the Neurobiology of Language*, Quebec City, QC.

Kim, J.S., **Elli, G.V.**, Brush, E., & Bedny, M. (2018). Not all “visual knowledge” are created equal: Blind individuals’ judgments about animal appearance. Poster presented at the *Society for the Neurobiology of Language*, Quebec City, QC.

**Elli, G.V.**, Pant, R., Achtman, R., & Bedny, M. (2018). The neural basis of verb and noun semantic representations in congenitally blind individuals. Data Blitz and Poster presented at *Cognitive Neuroscience Society*, Boston, MA.

**Elli, G.V.**, Lane, C., & Bedny, M. (2017). Regions that preferentially respond to verbs or nouns are more sensitive to semantic differences among words in their preferred grammatical class: An MVPA fMRI study. Poster Slam presented at the *Society for the Neurobiology of Language*, Baltimore, MD.

Kim, J.S., **Elli, G.V.**, Bedny, M. (2017). Furry hippos & scaly sharks: blind individuals’ knowledge of animal appearance. Poster presented at the *Society for Neurobiology of Language*, Baltimore, MD.

**Elli, G.V.**, Bedny, M., & Landau, B. (2017). How do children think that blind people "see"? Developmental changes in the use of visual verbs. Poster presented at *Cognitive Developmental Society*, Portland, OR.

Kim, J.S., **Elli, G.V.**, Bedny, M. (2017). Furry hippos & scaly sharks: blind individuals' concepts of animals. Poster presented at *Cognitive Developmental Society*, Portland, OR.

Lane, C., **Elli, G.V.**, & Bedny, M. (2017). Neural representations of person types overlap with Theory of Mind regions. Poster presented at *Cognitive Neuroscience Society*, San Francisco, CA.

**Elli, G.V.**, Lane, C., & Bedny, M. (2017). The neural representations of verbs and nouns meaning. Poster presented at *Cognitive Neuroscience Society*, San Francisco, CA.

**Elli, G.V.**, Landau, B., & Bedny, M. (2015). How children reason about perception in people with different sensory experience: Evidence from verbs of perception. Poster presented at *Cognitive Developmental Society*, Columbus, OH.

## HONORS AND AWARDS

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<b>Travel Award</b> Society for the Neurobiology of Language	2017, 2018
<b>Waldrop Junior Investigator's Award</b> Johns Hopkins University (Baltimore, MD)	2017
<b>Diversity Travel Award</b> Cognitive Developmental Society	2015, 2017
<b>Walter L. Clark Teaching Award</b> Johns Hopkins University (Baltimore, MD)	2016
<b>Excellence Award</b> University of Trento (Italy)	2014
<b>SISSA/UNITN Scholarship</b>	2012 – 2014
<b>LLP – Erasmus Programme Scholarship</b>	2011 – 2012

## PROFESSIONAL AFFILIATIONS

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Society for Research in Child Development	2019
Cognitive Developmental Society	2015 – 2018
Cognitive Neuroscience Society	2017 – 2018
Society for the Neurobiology of Language	2017 – 2018
International Congress of Infant Studies	2018
Cognitive Science Society	2016
Society for Neuroscience	2014

## LEADERSHIP AND GOVERNANCE

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Graduate Students' Representative in Psychological and Brain Sciences Steering Committee, Johns Hopkins University	2014 – present
Organizer and Leader for Psychological and Brain Sciences Graduate Student Recruitment	2014 – 2016

Organizer of Brain Awareness Week (high school outreach initiative)	2014 – 2017
Students' Representative in CIMEC Board, University of Trento – CIMEC	2012 – 2014

## TEACHING EXPERIENCE

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Neurobiology of Human Cognition (Teaching Assistant)	Spring 2017
Mind, Brain and Experience (Teaching Assistant)	Fall 2016
Occupational Health Psychology (Teaching Assistant)	Spring 2016
Positive Psychology (Teaching Assistant)	Fall 2015, Fall 2017
Introduction to Social Psychology (Teaching Assistant)	Spring 2015

## RESEARCH EXPERIENCE

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### Graduate Research Fellow

August 2014–present

Johns Hopkins University (Baltimore, MD)  
 Department of Psychological and Brain Sciences  
 Neuroplasticity and Development Lab  
 Advisor: Dr. Marina Bedny

Research on the conceptual representations of events, entities and agents – their development in childhood (collaboration with Prof. Barbara Landau), the effect of dramatic changes in sensory experience on their organization (i.e. blindness), as well as their neural basis (fMRI using univariate and multivariate techniques).

### Graduate Research Assistant

October 2013 – July 2014

International School for Advanced Studies – SISSA (Trieste, Italy)  
 Collective Emotions and Social Cognitive Neuroscience Lab  
 Supervisor: Dr. Giorgia Silani

Behavioral experiments on the influence of mental state reasoning and intention attribution on moral judgment in alexithymia.

### Graduate Research Assistant

September 2012 – July 2014

University of Trento – Center for Mind/Brain Sciences, CIMEC (Rovereto, Italy)  
 Crossmodal Perception and Plasticity Lab  
 Supervisor: Dr. Olivier Collignon

fMRI experiment on multimodal integration in classically considered unimodal areas (e.g. fusiform face area, voice area) using emotional stimuli.

### Undergraduate Research Assistant

March 2011 – April 2011

University of Milano – Bicocca (Milan, Italy)  
 Department of Psychology, General and Experimental Psychology

Supervisor: Prof. Maria Teresa Guasti

Research on speech and language disorders with normal developing preschoolers and children with specific language impairment.

## WORKSHOPS

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### **Neuroimaging with fNIRS: Basic to Advanced Concepts**

May 1<sup>st</sup>-2<sup>nd</sup> 2018

Gallaudet University, Washington D.C.

Instructors: Dr. Ted Huppert, Prof. Laura-Ann Petitto, Dr. Clifton Langdon, Mr. Thomas Johanssen

### **3rd IMPRS NeuroCom Summer School**

July 10<sup>th</sup>-12<sup>th</sup> 2013

Max Planck Institute for Human Cognitive and Brain Sciences

University of Leipzig (Germany)

Jointly organized with the Institute of Cognitive Neuroscience, University College London

*"International Max Planck Research School on Neuroscience of Communication: Function, Structure, and Plasticity"*

*"Analyzing and visualizing connectivity with brainGL (open source software)"*

Instructor: Dr. R. Schurade

### **MEG Workshop**

June 24<sup>th</sup>-25<sup>th</sup> 2013

University of Trento – CIMEC, Rovereto (Italy)

*"Disentangling the brainweb: a perspective from magnetoencephalography"*

### **Harvard Summer School in Mind/Brain Sciences**

June 11<sup>th</sup> – August 6<sup>th</sup>  
2011

Harvard College, Cambridge (MA, USA)

Jointly organized with University of Trento – CIMEC, Trento (Italy)

*"Windows into the Structure of the Mind/Brain"*

Instructors: Prof. Alfonso Caramazza, Prof. John A. Assad

*"Hormones, Brain, and Behavior"*

Instructor: Prof. Marc J. Tetel