**Federica Bulgarelli**

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University Park, PA 16802

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**EDUCATION**



**Doctoral Candidate in Cognitive Psychology** 2013-present

Pursuing Dual Title in Language Sciences

Advisor: Dr. Daniel Weiss

Pennsylvania State University

**Master of Science in Cognitive Psychology**  2015

*Tracking Multiple Inputs: An Investigation of the Primacy Effect in Monolinguals and Bilinguals*

Advisor: Dr. Daniel Weiss

Pennsylvania State University

**Bachelor of Science in Human Development**  2013

**Bachelor of Arts in Linguistics**

University of Wisconsin – Madison

Graduated with Honors

**AWARDS**



**Graduate Student Travel Grant from PSU Global Programs**  2017

**National Science Foundation Graduate Research Fellowship** 2015-present

Title: Know when to fold ’em: Overcoming the stationarity bias

**AmeriCorps Education Award**  2012, 2013

**PUBLICATIONS**



**Bulgarelli, F.,** Bosch, L., Weiss, D. J. (in prep). Simultaneous visual statistical learning in monolinguals and bilinguals.

**Bulgarelli, F.,** Lebkuecher, A. L., Weiss, D. J. (in prep). Statistical learning and bilingualism: a review*.* Invited contribution to the Learning Theory and Statistical Learning Special Issue of Language, Speech and Hearing Services in Schools.

**Bulgarelli, F.,** Weiss, D. J. (in prep). The role of talker variability in statistical learning.

George, N. R., **Bulgarelli, F.,** Weiss, D. J. (in prep). Multisensory cues to event segmentation: acoustic packaging in speech to preschoolers and adults.

**Bulgarelli, F.**, Benitez, V., Saffran, J., Byers-Heinlein, K., Weiss, D. J. (2017). Statistical Learning of Multiple Structures by 8-month-old Infants. *Proceedings of the 41st Boston University Conference on Language Development.* Boston, MA.

Weiss, D. J., **Bulgarelli, F.,** Navarro-Torres, C., & Morales, J., (2017). Translating research to practice in the language sciences. *Translational Issues in Psychological Science, 3(1), 1.*

**Bulgarelli, F.,** & Weiss, D. J. (2016). Anchors Aweigh: The Impact of Overlearning on

Entrenchment Effects in Statistical Learning. *Journal of Experimental Psychology: Learning, Memory, and Cognition.*

Karuza, E., Li, P., Weiss, D.J., **Bulgarelli, F.,** Zinszer, B., Aslin, R.N. (2016) Sampling over Non-uniform Distributions: A Neural Efficiency Account of the Primacy Effect in Statistical Learning. *Journal of Cognitive Neuroscience*.

**CONFERENCE PRESENTATIONS** \* Indicates undergraduate student



**Bulgarelli, F.** George, N. R., Roe, M. D., Weiss, D. J. (2017). *Bottom-up cues to event segmentation: The use of audiovisual synchrony in speech to preschoolers.* Talk presented at the 42nd Boston University Conference on Language Development. Boston, MA.

**Bulgarelli, F.,** Bosch, L., Weiss, D. J. (2017) *Simultaneous visual statistical learning in monolinguals and bilinguals.* Poster presented at the 2017 Interdisciplinary Advances in Statistical Learning Conference. Bilbao, Spain.

**Bulgarelli, F.**, George, N. R., Weiss, D. J. (2017). *Stacking Evidence: Parents’ Use of Acoustic Packaging Continues into the Preschool Years.* Talk presented at the 2017 Society for Research in Child Development Meeting. Austin, TX

**Bulgarelli, F.**, Benitez, V., Saffran, J., Byers-Heinlein, K., Weiss, D. J. (2016). *Statistical Learning of Multiple Structures by 8-month-old Infants*. Poster presented at the 41st Boston University Conference on Language Development. Boston, MA.

**Bulgarelli, F.,** Bosch, L., Weiss, D. J. (2016). *Comparing Monolingual and Bilingual Learner’s Performance on a Multi-Level Statistical Learning Task.* Poster presented at the 2016 Meeting of the Psychonomics Society. Boston, MA

George, N. R., **Bulgarelli, F**., \*Theoret, C., Weiss, D. J. (2016). *Dancing with Words: The Acoustic Packaging of Events in Adult-Directed Speech.* Poster presented at the 2016 Meeting of the Psychonomics Society. Boston, MA

Koranda, M. J., **Bulgarelli, F.**, Weiss, D. J., MacDonald, M. C. (2016) *Parallels between Action Priming and Syntactic Priming.* Poster presented at the Ninth International Workshop on Language Production. San Diego, CA.

\*Theoret, C., **Bulgarelli, F.**, George, N. R. & Weiss, D. J. (2016). *What to say about ballet? How the timing of language can be instructive.* Poster presented at the 2016 Undergraduate Exhibition. University Park, PA

**Bulgarelli, F.,** Weiss, D.J. (2015) *Individual Differences in Tracking Multiple Structures: Investigating the Primacy Effect*. Poster presented at the 2015 Learning Sciences/Science of Learning Poster Conference. University Park, PA

Weiss, D.J., **Bulgarelli, F.,** Poepsel, T. (2015) *The one that got away: Statistical learning of multiple inputs.* Talk presented at the 2015 Interdisciplinary Advances in Statistical Learning Conference. San Sebastian, Spain.

**Bulgarelli, F.,** Weiss, D.J. (2015) *Enough is Enough: Anchoring Effects in Statistical Learning.* Poster presented at the 2015 Interdisciplinary Advances in Statistical Learning Conference. San Sebastian, Spain.

**Bulgarelli, F.,** Weiss, D.J. (2015) *Individual Differences in Tracking Multiple Structures: Investigating the Primacy Effect*. Poster presented at the 2015 Society for Research in Child Development. Philadelphia, CA

**Bulgarelli, F.,** Weiss, D.J. (2014) *Tracking Multiple Structures: An Insight into the Primacy Effect.*  Poster presented at the 2014 Psychonomics Annual Meeting. Long Beach, CA.

**Bulgarelli, F.,** Weiss, D. J. (2014) *Multi-Stream Statistical Learning in Monolinguals and Bilinguals.* Talk presented at the 2014 UIC Bilingualism Forum. Chicago, IL.

**Bulgarelli, F.** (2014) *Learning in a Non-Stationary Environment: Investigating the Primacy Effect.* Talk presented at the Center for Language Science Speaker Series. University Park, PA.

**Bulgarelli, F.,** Weiss, D. J. (2014) *Tracking Multiple Structures in Statistical Learning.* Talk presented at the 2014 APA Annual Convention. Washington, D.C.

**Bulgarelli, F.** (2014). *An Investigation of the Time Course of Statistical Learning.* Talk presented at the Cognitive Area Brown Bag Series. University Park, PA.

**Bulgarelli, F.,** Weiss, D. J. (2014) *Tracking multiple inputs: Investigating the time course of statistical learning.* Poster presented at Young Scholar Speaker Series, CLS. University Park, PA.

Lew-Williams, C., **Bulgarelli, F**., & Saffran, J. R. (2013). *Infants’ tracking of statistical regularities across multiple talkers: A cautionary tale.* Talk presented at the Symposium on Research in Child Language Disorders. Madison, WI.

**RESEARCH EXPERIENCE**



**Graduate researcher** 2013-present

Comparative Communication Lab

Child Language and Cognition Lab

Pennsylvania State University

**Undergraduate Research Assistant** 2012-2013

Infant Learning Lab

University of Wisconsin

**TEACHING EXPERIENCE**



**Graduate Online Teaching Certificate** 2017

**Graduate Teaching Assistant**

Psych485 – Leadership in the Work Setting Fall 2013

Psych260 – Neural Bases of Human Behavior Spring 2014

Psych432 – Multicultural Psychology Spring 2014

Psych456 – Advanced Cognitive Psychology Spring 2015

**Guest Lectures**

**Bulgarelli, F.** (2017) *Studying infant (bilingual) language development.* Lecture presented during SPAN 497: The ABCs of Bilingualism: Acquisition, Brain and Community, University Park, PA.

**Bulgarelli, F.** (2015) *Speech Perception.* Lecture presented during PSYCH 432: Advanced Cognitive Psychology, University Park, PA.

**Bulgarelli, F.**  (2014) *Language and Identity Development.* Lecture presented during PSYCH 432: Multicultural Psychology, University Park, PA.

**SERVICE**



**Graduate student representative** 2017

Cognitive Psychology Search Committee

**Student Editor** 2015-2017

Translational Issues in Psychological Science: Translating Research to Practice in the Language

**Ad-hoc reviewer**

Journal of Experimental Psychology 2016

Journal of Neurolinguistics 2015

**Bilingualism Matters at Penn State** 2014-present

*Assisted with outreach events informing the community about bilingualism research*

**AXONS: Academic eXperimental Organization for Neuroscience Students**

Member 2014-present

Secretary 2015-2016

Pennsylvania State University

*Student neuroscience group that conducts outreach activities with the community*

**Administrative Assistant** 2013-2014

Pennsylvania State University

*Aided in strategic plan data collection for the department*

**FOREIGN LANGUAGES**



Italian – native

English – near-native

Spanish – high proficiency

French – low proficiency

Arabic – basic knowledge