

*Daniel J. Weiss*

DEPARTMENT OF PSYCHOLOGY  
THE PENNSYLVANIA STATE UNIVERSITY

Email: djw21@psu.edu  
Phone: (814) 863-2265  
Fax: (814) 863-7002

447 Moore Building  
University Park, Pa. 16802

## EMPLOYMENT

---

<b>Professor of Psychology and Linguistics</b> The Pennsylvania State University	2017 - present
<b>Associate Professor of Psychology and Linguistics</b> The Pennsylvania State University	2009 - 2017
<b>Assistant Professor of Psychology and Linguistics</b> The Pennsylvania State University	2003 – 2009
<b>Postdoctoral Fellow</b> University of Rochester	2000-2003

## EDUCATION

---

<b>PhD Harvard University, Psychology</b> Cognition Brain & Behavior Cambridge, Ma., 02138	1994-2000
<b>MS Harvard University, Psychology</b> Cognition Brain & Behavior Cambridge, Ma., 02138	1996
<b>BA University of Maryland, Psychology</b> Graduated Summa Cum Laude College Park, Md., 20910	1991-1994

## RESEARCH INTERESTS

---

Language acquisition, cognitive and developmental psychology, comparative psychology, statistical learning, motor planning

## PUBLICATIONS

---

**Note:** \* indicates student or postdoc co-author

### PEER-REVIEWED JOURNAL ARTICLES

\*George, N. R., Bulgarelli, F., Theoret, C., & Weiss, D.J. (in review) Acoustic packing in adult-directed speech? Bottom-up cues to event boundaries persist across the lifespan. *Cognitive Science*

\*Lebkuecher, A.L., \*Schwob, N., Kabasa, M., Gussow, A.E., MacDonald, M.C., & Weiss, D.J. (in revision) Hysteresis in Motor and Language Production. *Journal of Experimental Psychology: Learning Memory and Cognition*

Merseal, H., Frieler, K., Weiss, D.J. & Beaty, R.E. (in review) It Don't Mean a Thing (If It Ain't Sequencing): Temporal Constraints on Melodic Sequencing in Jazz Improvisations. *Psychology of Aesthetics, Creativity, and the Arts*.

Beaty, R.E., Frieler, K., Norgaard, M., Merseal, H., MacDonald, M.C., & Weiss, D.J. (accepted) Spontaneous melodic productions of expert musicians contain sequencing biases seen in language production. *Journal of Experimental Psychology: General*

\*Schwob, N., Epping, A.J., Taglialatela, J.P., & Weiss, D.J. (in press) The early bonobo gets the juice? The evolutionary roots of precrastination in bonobos (*Pan paniscus*). *Journal of Animal Cognition and Behavior*

\*Bulgarelli, F. & Weiss, D.J. (2021) Desirable difficulties in statistical learning? How talker variability impacts artificial grammar learning. *Language Learning*

\*Bulgarelli, F., Weiss, D.J. & Dennis, N. (2021) Cross-situational statistical learning in younger and older adults. *Aging, Neuropsychology and Cognition*, 28 (3), 346-366. doi: 10.1080/13825585.2020.1759502

Droege, P., Weiss, D.J., \*Schwob, N., & Braithwaite, V. (2021) Trace conditioning as a test for animal consciousness: a new approach. *Animal Cognition*  
doi: 10.1007/s10071-021-01522-3

Park, J., Miller, C. A., Sanjeevan, T., Van Hell, J., Weiss, D., & Mainela-Arnold, E. (2021) Non-linguistic Cognitive Measures as Predictors of Functionally-Defined Developmental Language Disorder in Monolingual and Bilingual Children. *International Journal of Language & Communication Disorders*

Koranda, M. J., \*Bulgarelli, F., Weiss, D. J., & MacDonald, M. C. (2020). Is Language Production Planning Emergent From Action Planning? A Preliminary Investigation. *Frontiers in Psychology*, 11, 1193.

- Park, J., Miller, C. A., Sanjeevan, T., Van Hell, J., Weiss, D.J., & Mainela-Arnold, E. (2020) Bilingualism and processing speed in typically developing children and children with developmental language disorder, *Journal of Speech, Language, and Hearing Research*, 63 (5), 1479-1493.
- Weiss, D. J., \*Schwob, N., & \*Lebkuecher, A. L. (2020) Bilingualism and statistical learning: Lessons from studies using artificial languages. *Bilingualism: Language and Cognition*, 23(1), 92-97.
- Weiss, D. J. (2020) Introduction: The use of artificial languages in bilingualism research. *Bilingualism: Language and Cognition*, 23(1), 72-73.
- Benitez, V. L., \*Bulgarelli, F., Byers-Heinlein, K., Saffran, J. R., & Weiss, D. J. (2020) Statistical learning of multiple speech streams: A challenge for monolingual infants. *Developmental science*, 23(2), e12896.
- Park, J.S., Miller, C., Sanjeevan, T., van Hell, J., Weiss, D.J., Minela- Arnold, E. (2019) Bilingualism and Attention in Typically Developing Children and Children with Developmental Language Disorder. *Journal of Speech, Language, and Hearing Research*, 62(11), 4105-4118.
- \*George, N. R., \*Bulgarelli, F., Roe, M., & Weiss, D. J. (2019) Stacking the evidence: Parents' use of acoustic packaging with preschoolers. *Cognition*, 191, 103956.
- \*Heimbauer, L.A., \*Johns, T. & Weiss, D.J. (2019) Inferential reasoning in the visual and auditory modalities by cotton-top tamarins (*Saguinus oedipus*) *Journal of Comparative Psychology*
- \*Bulgarelli, F., Bosch, L., & Weiss, D.J. (2019) Multi-pattern visual statistical learning in monolinguals and bilinguals. *Frontiers in Psychology*, 10, 240, doi:10.3389/fpsyg.2019.00204
- Prétôt, L., Weiss, D.J., & Brosnan, S.F. (2018) Do non-human primates ascribe intentional action to the choices of conspecifics? *Animal Behavior and Cognition*, 5 (1), 41-54.
- Park, J.S., Miller, C., Rosenbaum, D.A., Sanjeevan, T., van Hell, J., Weiss, D.J., Minela-Arnold, E. (2018) Bilingualism and procedural learning in typically developing children and children with language impairments. *Journal of Speech, Language, and Hearing Research*, 1-11 doi:10.1044/2017\_JSLHR-L-16-0409
- \*Bulgarelli, F., \*Lebkuecher, A.L., & Weiss, D.J. (2018) Bilingualism and statistical learning. *Language, Speech, and Hearing Services in Schools*, 49, 740-753. doi:10.1044/2018\_LSHSS-STLT1-17-0139

- 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), 1-4.
- Karuza, E. A., Li, P., Weiss, D. J., Bulgarelli, F., Zinszer, B. D., & Aslin, R. N. (2016) Sampling over nonuniform distributions: A neural efficiency account of the primacy effect in statistical learning. *Journal of Cognitive Neuroscience*, 28, 1484–1500.
- Puts, D., Hill, A., Bailey, D., Walker, R., Rendall, D., Jablonski, N., Shriver, M., Weiss, D.J., Owren, M., Lameira, A., Apicella, C., Barelli, C., Glenn, M., Ramos-Fernandez, G. (2016) Sexual selection and vocal fundamental frequency across anthropoid primates *Proceedings of the Royal Society B: Biological Sciences*
- \*Mitchel, A. D., Gerfen, C., & Weiss, D. J. (2016) Audiovisual perceptual learning with multiple speakers. *Journal of Phonetics*, 56, 66-74.
- \*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*, 42 (10), 1621-1631. DOI:10.1037/xlm0000263
- \*Poepsel, T. J., & Weiss, D. J. (2016) The influence of bilingualism on statistical word learning. *Cognition*, 152, 9-19.
- Sanjeevan, T., Rosenbaum, D. A., Miller, C., van Hell, J. G., Weiss, D. J., & Mainela-Arnold, E. (2015) Motor Issues in Specific Language Impairment: a Window into the Underlying Impairment. *Current Developmental Disorders Reports*, 2(3), 228-236.
- \*Linck, J. & Weiss, D.J. (2015) Working memory predicts second language classroom learning. *Sage Open*, 5 (4), DOI: 10.1177/ 2158244015607352
- \*Hotchkin, C.F., Parks, S.E., & Weiss, D.J. (2015) Noise-induced modifications to frequency of cotton-top tamarin vocalizations: Implications for vocal control in nonhuman primates. *PLoS One*, 10(6), DOI: 10.1371/journal.pone.0130211
- Wunsch, K., Weiss, D. J., Schack, T., & Weigelt, M. (2015) Second-order motor planning in children: insights from a cup-manipulation-task. *Psychological Research*, 9 (4):669-77. doi: 10.1007/s00426-014-0596-y
- \*Poepsel, T.J. & Weiss, D.J. (2014) Context influences conscious appraisal of cross-situational learning. *Frontiers in Psychology*, 5:691. DOI: 10.3389/fpsyg.2014.00691

- \* Mitchel, A. D., & Weiss, D. J. (2014) Visual speech segmentation: using facial cues to locate word boundaries in continuous speech. *Language, Cognition, & Neuroscience*, 29:7, 771-780, DOI: 10.1080/01690965.2013.791703
- \*Mitchel, A.D., Christiansen, M.H. & Weiss, D.J. (2014) Multimodal integration in statistical learning: Evidence from the McGurk illusion. *Frontiers in Psychology*, 5: 407. DOI:10.3389/fpsyg.2014.00407.
- Zander, S., Weiss, D.J., & Judge, P.G., (2013) The interface between morphology and action planning: A comparison of two species of New World monkeys. *Animal Behaviour*, 86, 1251-1258.
- \*Chapman, K.M. & Weiss, D.J. (2013) Pulling to Scale: Motor planning for sequences of repeated actions by cotton-top tamarins (*Saguinus oedipus*). *Journal of Experimental Psychology: Animal Behavior Processes*, Vol 39(2), 180-186. doi: 10.1037/a0031775
- Rosenbaum, D.A., Chapman, K.M., Weigelt, M., Weiss, D.J., & Van der Wel, R., (2012) Cognition action and object manipulation: The end-state comfort effect. *Psychological Bulletin*, 138(5), 924-946. doi: 10.1037/a0027839
- \*Mitchel, A. & Weiss, D.J. (2011) Learning across senses: Cross-modal effects in multisensory statistical learning *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 37(5), 1081-1091.
- Weiss, D.J., Gerfen, C., & \*Mitchel, A. (2010) Colliding cues in word segmentation: The role of cue strength and general cognitive processes. *Language and Cognitive Processes*, 25(3), 402-422.
- \*Mitchel, A. & Weiss, D.J. (2010) What's in a face? Visual contributions to speech segmentation. *Language and Cognitive Processes*, 25(4), 456-482.
- \*Chapman, K.M., Weiss, D.J., & Rosenbaum, D.A. (2010). Evolutionary roots of motor planning: The end-state comfort effect in lemurs. *Journal of Comparative Psychology*, 124(2), 229-232.
- Weiss, D.J. & \*Wark, J. (2009) Hysteresis effect in a motor task in cotton-top tamarins (*Saguinus oedipus*) *Journal of Experimental Psychology: Animal Behavior Processes*, 35 (3), 135-141.
- Weiss, D.J., Gerfen, C. & \*Mitchel, A.D. (2009) Speech segmentation in a simulated bilingual environment: A challenge for statistical learning? *Language Learning and Development* 5, 30-49.
- Maye J., Weiss, D.J. & Aslin R.N. (2008) Statistical phonetic learning in infants:

Facilitation and feature generalization. *Developmental Science*, 11(1), 122-134.

Weiss, D.J., \*Wark, J. & Rosenbaum, D.A. (2007) Monkey see, monkey plan, monkey do: The end-state comfort effect in cotton-top tamarins (*Saguinus oedipus*). *Psychological Science*, 18(12), 1063-1068.

Rosenbaum, D.A., Cohen, R.G., Jax, S.A., Weiss, D.J. & van der Wel, R. (2007) The problem of serial order in behavior: Lashley's Legacy. *Human Movement Science*, 26, 525-554.

Weiss, D.J. & Santos, L. (2006) Introduction to Thematic Collection: Why Primates?: The Importance of Non-Human Primates for Understanding Human Infancy. *Infancy* 9(2), 133-146.

Weiss, D.J. & Newport E. (2006) Mechanisms underlying language acquisition: Benefits from a comparative approach. *Infancy* 9(2), 241-257.

Jordan, K., Weiss, D., Hauser, M., & McMurray, B. (2004) Individual recognition and antiphonal responses to loud contact calls produced by cotton-top tamarins (*Saguinus oedipus*). *International Journal of Primatology* 25(2), 465-475.

Weiss, D.J. & Hauser, M.D. (2002) Perception of harmonics in the combination long call of cotton-top tamarins (*Saguinus oedipus*) *Animal Behaviour* 64, 415-426.

Hauser, M.D., Weiss, D., & Marcus, G. (2002) Retracted: Rule learning by cotton-top tamarins. *Cognition*, 86(1), B15-B22. \*Note MH took full responsibility for retraction.

Weiss, D.J., Garibaldi, B. T., & Hauser, M. D. (2001). The production and perception of long calls by cotton-top tamarins (*Saguinus oedipus*): Acoustic analyses and playback experiments. *Journal of Comparative Psychology*, 15(3), 258-271.

Weiss D.J., Kralik, J.D., & Hauser, M.D. (2001). Face processing in cotton-top tamarins (*Saguinus oedipus*). *Animal Cognition*, 3,(4)191-205.

#### **CHAPTERS, COMMENTARIES, ETC. (ALL PEER-REVIEWED)**

MacDonald, M.C., & Weiss, D.J. (2017) Structural priming, action planning, and grammar. A commentary on Branigan & Pickering: An experimental approach to linguistic representation. *Brain & Behavioral Science*, 40.  
*doi:10.1017/S0140525X17000498*

Polka, L., Bohn, O., & Weiss, D.J. (2015) Learning about vowel perception from cross-species comparisons: task demands matter. *Frontiers in Psychology*, 6, DOI=10.3389/fpsyg.2015.00941

- Weiss, D.J., \*Poepsel, T., & Gerfen, C. (2015) Tracking multiple inputs: The challenge of bilingual statistical learning. Rebuschat, P. (Ed.) *Implicit and Explicit Learning of Languages*. p167-190. John Benjamins Press.
- Weiss, D.J., Hotchkin, C.F., Parks, S.E. (2014) Modification of spectral features in nonhuman primates. A commentary on Ackerman, Hage, & Ziegler: Brain mechanisms of acoustic communication in humans and nonhuman primates: An evolutionary perspective. *Brain & Behavioral Science* 37(6):574-576.
- Weiss, D.J. (2014) Statistical Learning in Infancy. For Brooks, P, Kempe, V., & Golson, J.G. (Eds.) *Encyclopedia of Language Development*. SAGE.
- Rosenbaum, D.A., Herbort, O., Van der Wel, R., & Weiss, D.J. (2014) What's in a Grasp? *American Scientist*, 102(5), 366-373. DOI: 10.1511/2014.110.366
- Weiss, D.J., \*Chapman, K.M., Wark, J., & Rosenbaum, D.A. (2012) Motor planning in primates. A commentary on Vaesen, K., The cognitive basis of human tool use, *Brain & Behavioral Science*, 35(4), 244.
- \*Linck, J. & Weiss, D.J. (2011) Working memory predicts the acquisition of explicit L2 knowledge. In Sanz, C. & Leow, R.P. (Eds.) *Implicit and Explicit Language Learning: Conditions Processes and Knowledge in SLA and Bilingualism*. Georgetown University Press.
- Weiss, D.J. & \*Chapman, K. (2010) Animal Learning and Behavior. In Weiner, I.B. & Craighead, W.E.(eds.) *The Corsini Encyclopedia of Psychology 4<sup>th</sup> Edition*, (1), 107-110, Wiley & Sons: Hoboken, N.J.
- Weiss, D.J. & Maye, J. (2008) The role of contrast in the acquisition of phonetic systems. Avery, P., Rice, K., and Dresher, B.E. (Eds.) *Contrast in Phonology: Theory, Perception, Acquisition*. Mouton de Gruyter (Berlin/ New York), 219-230.
- Weiss, D.J., Ghazanfar, A.A., Miller, C.T., & Hauser, M.D. (2002) Specialized processing of primate facial and vocal expressions: Evidence for cerebral asymmetries. In L. Rogers and R. Andrew (Eds.), Comparative Vertebrate Laterality. 480-531.
- Miller C., Weiss, D.J. & Hauser, M.D. (2002) Mechanisms of acoustic classification in primates. In A. Ghazanfar (Ed.), Primate Audition: Ethology and Neurobiology. CRC Press. 43-61.

**CONFERENCE PROCEEDINGS (SOME PEER-REVIEWED)**

- Maye, J. & Weiss, D.J. (2003) Statistical cues facilitate infants' discrimination of difficult phonetic contrasts. *Proceedings of the 27th Annual Boston University Conference on Language Development*

- Weiss, D.J. & Gerfen, C. (2006) Speech segmentation in a bilingual environment. *Proceedings of the 30<sup>th</sup> Annual Boston University Conference on Language Development*
- Weiss, D.J., Gerfen, C., & \*Mitchel, A. (2008) Colliding cues in word segmentation: The role of cue strength and individual differences. *Proceedings of the 32<sup>nd</sup> Annual Boston University Conference on Language Development*, 537-549.
- \*Mitchel, A. D. & Weiss, D.J. (2009) Faces in segmentation: The role of audio-visual integration. *Proceedings of the 33<sup>rd</sup> Annual Boston University Conference on Language Development*, 667-67.
- \*Mitchel, A. & Weiss, D.J. (2012) The use of facial cues for speech segmentation. *Proceedings of the 36<sup>th</sup> Annual Boston University Conference on Language Development*, Volume 2, 361-373.
- \*Poepsel, T., Gerfen, C. & Weiss, D.J. (2012) Context, mutual exclusivity, and the challenge of multiple mappings in word learning. *Proceedings of the 36<sup>th</sup> Annual Boston University Conference on Language Development*, Volume 2, 474-486.
- \*Hotchkin, C.F., Parks, S.E., & Weiss, D.J. (2013) Vocal modifications in primates: Interactions of noise and behavioral context on the acoustic structure of vocalizations. *Proceedings of Meetings on Acoustics*, (19).
- \*Zinszer, B. & Weiss, D.J. (2013) When to hold and when to fold: Detecting structural changes in statistical learning. *Proceedings of the 32<sup>nd</sup> Annual Conference of the Cognitive Science Society*, 3858-3863.
- \*George, N.R., Kanero, J., Chwilla, D.J. & Weiss, D.J. (2016) Are we ON the same page? Monolingual and bilingual acquisition of familiar and novel relational language *Proceedings of 38<sup>th</sup> Annual Conference of the Cognitive Science Society*, 111-116.
- \*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 41<sup>st</sup> Annual Boston University Conference on Language Development*, 218-139
- \*Bulgarelli, F., Weiss, D.J., (2019) The more the merrier? The impact of talker variability on artificial grammar learning in preschoolers and adults. *Proceedings of the 42<sup>nd</sup> Annual Boston University Conference on Language Development*
- Lange, K., Miller, C., Weiss, D.J., Karuza, E. (2019) Sensitivity to community



structure in the language domain. *Annual Conference of the Cognitive Science Society*

## GRANTS

---

### *EXTERNAL*

**NSF PIRE** (2016-2021) National Science Foundation (\$5,000,000) “PIRE: Translating cognitive and brain science in the laboratory and field to language learning environments” (Role: Core faculty; PI: Judith Kroll; Paola Dussias)

**UW2020 WARF Discovery Initiative Award** (2017-2022) Testing the Action Basis of Language and Language Production (\$395,113 Direct Cost) Role: Co-PI (PI: Maryellen MacDonald)

**NIH R21 DC018948-01** (2021-2023) National Institutes of Health (\$441,500) The Influence of Morphosyntactic Network Complexity on Typical and Atypical Language Learning (Role: Co-I; PI: Elizabeth Karuza)

### *IN REVISION*

**NIH R01 HD107281-01** Predicting First and Second Language Outcomes in Early L2 Learners from the Longitudinal FinnBrain Cohort (Role: PI)

**NIH R01 HD087739-01** The Evolutionary Origins of the Faculty of Language: Insights from Chimpanzees and Bonobos (Role: **PI** Co-PI: Chris Conway)

### *COMPLETED*

**SSHRC** (Social Sciences and Humanities Research Council of Canada; \$223,932 cad) Statistical learning ability as an indicator of individual differences in dual language learning (Role: Collaborator; PI: Elina Mainela-Arnold):

**NIH R01 HD067250** (2011-2017; No cost extension) “Statistical learning of multiple patterns in infants, adults, and monkeys” (\$1,082,250) Role: **PI** (co-Investigator: Richard Aslin; consultant: Janet Werker)

**NIH R03 HD048996-01 Bilingual Language Segmentation** – (2005-2008), \$100,000 The goal of this grant is to explore how learners (infants and adults) can encapsulate statistical information from multiple input streams (simulating, in a reductionist way, bilingual input).

**NSF 0519237 – A comparative investigation of statistical learning** Role: PI; Jointly submitted with Jessica Maye (collaborator at Northwestern). (2005-2009), \$350,000 The goal of this grant is to elucidate the similarities and differences

between three populations (human adults, infants, and nonhuman primates) with respect to the statistical learning of linguistic patterns.

**NSF PIRE** (2010-2015) National Science Foundation (\$2,800,000) “PIRE: Bilingualism, mind, and brain: An interdisciplinary program in cognitive psychology, linguistics, and cognitive neuroscience” (Role: **Core faculty**; PI: Judith Kroll)

**SSHRC (Social Sciences and Humanities Research Council of Canada) Role: Collaborator** (PI: Janet Werker) 2011-2014 – \$240,917 (Canadian): The beginnings of bilingual language acquisition in infancy: Learning about culture supports learning two languages

### *INTERNAL*

2012-present The role of nonlinguistic cognitive abilities in typical and atypical language development in monolingual and bilingual children. Level 1 CYFC award \$5334.00 Role: Collaborating investigator (PI: Carol Miller)

2008-2010 Anticipatory planning in children and nonhuman primates. Level I CYFC award, \$5,000.00

2007-2008 Center for Language Science Cross-disciplinary Research Initiative Level I CLS award, \$5,000.

2005 – 2006 Bilingual language acquisition. Level II CYFC award, \$20,000.

2004- 2005 Language Science Research Group CYFC Grant, *Research on Speech Perception*, (Role: Co-Investigator)

2003-2004 “The Mechanisms Underlying Language Acquisition” Penn State University Children, Youth, and Families Consortium. Level 1 award (\$5000).

1996 McMaster Prize Grant in psychophysics

1995 McMaster Prize Grant in psychophysics

### **PROFESSIONAL SERVICE**

---

#### **EDITORIAL POSITIONS**

**Editor in Chief (July 2020-July 2025)** *Translational Issues in Psychological Science*, 5yr term starting July 2020.

**Incoming Editor-in-Chief** (July 2019-June 2020) *Translational Issues in Psychological Science*

**Guest Editor** *Bilingualism: Language and Cognition* (2018-2020) – special issue on use of artificial languages in bilingualism research

**Guest Editor** *Translational Issues in Psychological Science* (2017) – Issue on language science

**Guest Editor** *Infancy* (2006) – special edition editor on comparative work with primates

**EDITORIAL BOARD**

Frontiers in Psychology, Language Sciences  
Language Learning and Development

**PEER-REVIEWED ARTICLES FOR:**

Acta Psychologica; American Journal of Physical Anthropology; Animal Behaviour; Animal Cognition; Applied Psycholinguistics; Bilingualism: Language and Cognition; Child Development; Cognition; Cognitive Science; Current Biology; Developmental Psychology; Developmental Science; Ethology; Frontiers in Comparative Psychology; Frontiers in Language Sciences; International Journal of Primatology; Language Learning and Development; Journal of the Acoustical Society of America; Journal of Comparative Psychology; Journal of Experimental Psychology: Learning, Memory, and Cognition; Journal of Memory and Language; Journal of Personality and Social Psychology: Personality Processes and Individual Differences; Journal of Phonetics; Journal of Speech, Language, and Hearing Research; Philosophical Transactions of the Royal Society; PLoS One; Proceedings of the National Academy of Sciences; Proceedings of the Royal Society of London B: Biological Sciences; Psychological Science; Psychonomic Bulletin & Review, Psychological Research; Trends in Cognitive Science

**GRANT REVIEWER FOR:**

Austrian Academy of Sciences – APART  
Israel Science Foundation (several ad hoc reviews)  
Language Learning small grants research program  
National Institutes of Health (two special emphasis panels)  
National Science Foundation (ad hoc)

**CONFERENCE REVIEWER FOR:**

Architectures and Mechanisms for Language Processing (2012)  
Boston University Conference on Language Development (2009-2012;2014-present)  
International Conference on Infant Studies (2014-present)  
Second Language Research Forum  
European Cognitive Science Society (2007)  
Cognitive Science Society (Several years)

**PROFESSIONAL AFFILIATIONS**

---

*Association for Psychological Science* - 2004-2013, 2020  
*American Psychological Association* – 2004-2008  
*Animal Behaviour Society*

*Cognitive Science Society – 2006,2020*  
*Eastern Psychological Association - 2005-2006*  
*International Linguistics Association - 2007*  
*International Society on Infant Studies – 2004-2008*  
*Southern Society of Philosophy and Psychology - 2015*  
*The Psychonomic Society – 2012-present*

## **UNIVERSITY SERVICE**

---

**Associate Director – Future Funded Faculty Program (Social Sciences) 2012-present**  
**College of Liberal Arts**

In this position, I have facilitated external grant efforts among junior faculty and early associates. Roles include managing a budget that could be used for grant-related activities, providing feedback on grants, familiarizing faculty with the grants office services, and brokering faculty members with more senior faculty from other areas whose interests may overlap. To date, this program has resulted in many successful external grants in both the Social Science and Humanities.

**Distinguished Honors Faculty Program –** Fall 2021-2023  
**Schreyer’s Honor College**

Interactive program that includes dinner conversations, small group discussions, trips and other events with honors students.

**Cognitive Area Coordinator** 2009-2015  
**Department of Psychology**

Served as the head of the Cognitive Area Program within the Psychology program. Responsibilities include being a liaison between the Cognitive Area and the Psychology Department and overseeing the management of the Cognitive Area and graduate recruitment.

**Graduate Council (alternate member)** 2021-2022  
**College of Liberal Arts**

**Chair of the Assessment Committee for PIRE grant** 2015-2017  
**Center for Language Science**

Coordinating with external consultants to develop effective techniques for assessing the impact of the first PIRE grant which was used to inform data collection techniques regarding the new PIRE (which began April 2016).

**Member of the University Institutional Review Board (IRB)** 2009-2012

**Promotion and Tenure Committee** 2009-2012  
**Department of Psychology**

***Additional Service Roles***

2020-present            Member of standing reviewer pool for Office of Limited Submissions  
2018-2019            PIRE travel award committee

2012	Adele Miccio Travel Award review committee
2011- 2012	AD-14 review committee (evaluation of the department head)
2009 - present	Member of Social, Life, and Engineering Sciences Imaging Center advisory committee
2009 - 2010	Linguistics search committee
2008- present	Linguistics executive committee
2008-2009	Ad hoc committee member for IT issues
2007-2017	Member of the Graduate Training committee for the Dept. of Psychology
2003-present	Served on 25+ graduate student committees (Masters and PhD)
2003-present	Active member of Center for Language Science – Experience facilitating training grant efforts.

### **HONORS AND AWARDS**

---

2021-2023	Distinguished Honors Faculty
2017	Researcher appreciation award (for continuous funding) from College of Liberal Arts
1999	George W. Goethals Teaching Award
1998	Derek Bok Award for excellence in teaching.
1997	Derek Bok Graduate Writing Fellowship
1995	Honorable Mention, Department of Defense Fellowship Award
1994	Elected to National Honor Society.
1994	Named as Dean’s Scholar at University of Maryland
1991-1994	Dean’s honor roll

### **SUPERVISED STUDENT AWARDS**

---

2016	Penn State Psychology Department Outstanding Publication, Tim Poepsel (Graduate)
2016	Penn State Undergraduate Research Exhibition; Second Place, Cara Theoret (Undergraduate)
2016	Office of Science Engagement Award: Cara Theoret (Undergraduate)
2015	NSF Graduate Fellowship: Federica Bulgarelli (Graduate)
2013	President’s Fund Award; Tim Sainburg (Undergraduate)
2012	Summer Discover Grant; Ricky Groner (Undergraduate)
2007	Summer Discovery Grant; Rebecca Roberts (Undergraduate)
2008	Honorable Mention, NSF Graduate Fellowship; Helen Marie Graves (Graduate)
2007	Honorable Mention, NSF Graduate Fellowship; Katie Chapman (Graduate)

### **INVITED TALKS**

---

“Sequencing Biases in Language and Motor Production: Insights for the Evolution of Syntax?” The University at Buffalo Center for Cognitive Science, December, 2020

“Language and action planning: An evolutionary perspective”, Language and Action Workshop, Moss Rehabilitation Research Institute, Philadelphia, Pa. February, 2019

“Statistical Learning of Multiple Inputs: The Role of Context and the Impact of Bilingualism”, Winter Solstice Language Science Seminar, University of Turku, Finland; December, 2018

“Statistical Learning of Multiple Inputs: The Role of Context and the Impact of Bilingualism” New Haven Statistical Learning Workshop, Haskins Lab, New Haven, Ct. December, 2018

“Statistical Learning of Multiple Inputs: The Role of Context and the Impact of Bilingualism”, SLAC Talk Shop, University of Connecticut, Storrs, Ct.; November, 2018

“Motor Planning in Primates: Insights for Language Evolution?” ECOM Speaker Series, University of Connecticut, Storrs, Ct.; November, 2018

“Motor Planning in Primates: Insights for Human Development?” The Cognitive Recovery Lab, Georgetown University; April, 2018

“Motor Planning in Primates: Insights for Human Development?” Plasticity seminar series, National Rehabilitation Hospital, March, 2018.

“The Evolutionary Roots of Action Planning: Insights for Human Development?” University of Wisconsin, September, 2017.

“Know when to fold ‘em: Accommodating variability in statistical learning” Northwestern University, June 2016.

“A foot in the door: How learners use patterns in speech to facilitate acquisition” *Jack Child Distinguished Memorial Lecture*, American University, April 2015.

“Know when to fold ‘em: Accommodating structural changes in statistical learning.” Annual meeting of the Southern Society for Philosophy and Psychology, April 2015, New Orleans, La.

Workshop on statistical learning. Fagot lab. Aix-Marseille University, May 2014

“Lab of the Week”, Center for Brain, Behavior, and Cognition, Penn State, April 2013

“Comparative approaches to the study of language” Mechanisms of Mind, The Pennsylvania State University, September 2012

“Inferring mental states from object manipulation: Insights from primates” Georgia State University, December 2011

“Mutli-cue integration and competition in statistical learning” University of Illinois, December 2, 2011

“Statistical learning: The challenge of non-uniform input” University of Illinois, December 1, 2011

“Statistical learning: Multiple streams and multiple inputs” University of British Columbia, August 2011

“Monkey see, monkey plan, monkey do: Motor planning in primates” University of British Columbia, August 2011

“Statistical learning: Dealing with multiple inputs” University of Rochester, Brain and Cognitive Sciences, Aslin Lab, February 2011

“The evolutionary roots of motor planning: Evidence from a comparative approach” Bucknell University Psychology Colloquium, Nov. 2010

“Commentary on Mirror Neuron Symposium” Morris Symposium on Language, Cognition and Motor Control System, Stonybrook University, May, 2009

“Motor planning in primates” Department of Anthropology Colloquium, Penn State University, March 2009

“Statistical learning and the curse of dimensionality” Center for Language Science, Penn State University, January, 2009

“Motor Planning in Primates” University of Massachusetts Neuroscience and Behavior Program, October, 2008

“Simon says: Language and general cognitive functions are related” University of Iowa, October, 2008

"Serious Monkey Business" Cognitive Brown Bag, Penn State University, November, 2007

"The Crying Game: A comparative approach to the perception of human infant vocalizations" HDFS Methods Lunch, Penn State University, October, 2007

"Statistical learning and bilingualism" Invited Speaker for the 3rd Annual Rovereto Workshop on Bilingualism, Rovereto, Italy, September, 2007

"Motor control: A comparative approach." *Third International Workshop on Posture-Based Motion Planning*, University Park, Pa. June, 2007

"Statistical learning in word segmentation: Challenges from L1 and L2" Ohio State Linguistics Department, co-presented with Chip Gerfen, February, 2007

"Statistical learning in word segmentation: How are conflicting cues resolved?"  
Northwestern University, November, 2006

"Competition in statistical learning" Center for Language Sciences, Penn State University,  
September 2006

"Statistical learning of L1 and L2" New York University, Cognitive Area, July 2005

"Statistical learning of L1 and L2" University of Connecticut Developmental Colloquium  
series April 2005

"Statistical learning of L1 and L2" Language Science Group, Penn State University, January  
2005

"Bilingual speech segmentation" HDFS Methods Lunch, Penn State University, October,  
2004

"A comparative approach to the study of language" Language Science Group, Penn State  
University, March 2004

"Of monkeys and men: A comparative approach to the study of vocal communication"  
National Institutes of Health Biology Meeting, May 2003

"Thinking about animal thinking" University of Rochester Honors Psychology Group,  
March 2002

"Acoustic Perception in Primates" University of Rochester Brain and Cognitive Sciences,  
2002

#### **CONFERENCE PRESENTATIONS (REFEREED)**

---

Frieler, K., Beaty, R.E., Norgaard, M., Merseal, H., MacDonald, M.C., & Weiss, D.J.  
(upcoming July, 2021) Spontaneous melodic productions of expert musicians contain  
sequencing biases seen in language production. 16th International Conference on Music  
Perception and Cognition; European Society  
for the Cognitive Sciences of Music, virtual, Sheffield, UK

Beaty, R.E., Frieler, K., Norgaard, M., Merseal, H., MacDonald, M.C., & Weiss, D.J.  
(Postponed to 2022) Biases in Language Production Are Reflected in Musical  
Improvisation: Evidence from Large-Scale Corpus Analysis. *Expression, Language, and  
Music (ELM)*. Hartford, Ct.

Schwob, N. & Weiss, D.J. (2019) Get the Show on the Road: Pre-crastination in



Bonobos (*Pan paniscus*). *56<sup>th</sup> Annual Conference of the Animal Behavior Society*. Chicago, IL.

Bulgarelli, F., & Weiss, D.J. (2019) Contending with talker variability across development. *Meeting for the Society for Research on Child Development*. Baltimore, Md.

Schwob, N. & Weiss, D.J. (2019) Get the Show on the Road: Pre-crastination in Bonobos (*Pan paniscus*). *Southern Society for Psychology and Philosophy*. Cincinnati, OH.

Heimbauer, L.A., Johns, T., & Weiss (2019) Is the cup empty? Inferential reasoning in the visual and auditory modalities by cotton top tamarins (*Saguinus oedipus*). *Southern Society for Psychology and Philosophy*. Cincinnati, OH.

Bulgarelli, F. & Weiss, D.J. (2018) The more the merrier? The impact of talker variability on artificial grammar learning in preschoolers and adults. *43<sup>rd</sup> Annual Boston University Conference on Language Development*. Boston, Ma.

Bulgarelli, F., George, N.R., Roe, M. & Weiss, D.J. (2017) Bottom-up cues to event segmentation: The use of audiovisual synchrony in speech to preschoolers. *42<sup>nd</sup> Annual Boston University Conference on Language Development*. Boston, Ma.

Bulgarelli, F., George, N.R., & Weiss, D.J. (2017) “Stacking evidence: Parents’ use of acoustic packaging continues into the preschool years”. Biennial Meeting of the Society for Research in Child Development, Austin, Tx.

Weiss, D.J., Bulgarelli, F., & Poepsel, T. (2015) “The one that got away: Statistical learning of multiple inputs” *Interdisciplinary Advances in Statistical Learning*, San Sebastian, Spain.

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

Heimbauer, L. A., Qian, T., Aslin, R. N., & Weiss, D. J. (November 2014). Detection of probabilistic change by rhesus macaques (*Macaca mulatta*). Comparative Cognition Society, Fall meeting (Long Beach, CA).

Heimbauer, L. A., Qian, T., Aslin, R. N., & Weiss, D. J. (2014). Implicit learning of multiple structures by rhesus macaques (*Macaca mulatta*). American Society of Primatologists 37th annual meeting (Decatur, GA).

Bulgarelli, F., Weiss, D. J. (2014) Tracking Multiple Structures in Statistical Learning. American Psychological Association 122nd annual meeting (Washington, DC).

Heimbauer, L. A., Qian, T., Aslin, R. N., & Weiss, D. J. (September 2014). Implicit learning of multiple structures by rhesus macaques (*Macaca mulatta*). American Psychological Association 122nd annual meeting (Washington, DC).

Poepsel, T. & Weiss, D.J. (2014) The influence of bilingualism on statistical word learning. American Psychological Association 122nd annual meeting (Washington, DC).

Heimbauer, L. & Weiss, D.J. (2014) Statistical learning and the detection of change in the visual modality. Southern Society for Philosophy and Psychology, Charleston, SC

Weiss, D.J. & Heimbauer, L. (2014) Mind-body connection: Insights from motor planning. Southern Society for Philosophy and Psychology, Charleston, SC

Weiss, D.J., Poepsel, T. & Zinszer, B. (2013) Detecting structural changes in statistical learning. 54<sup>th</sup> Annual meeting of the Psychonomic Society, Toronto, Canada. \*Symposium Chair for session on bilingualism

Poepsel, T. & Weiss (2013) The consequences of bilingual input for statistical learning. *Second Language Research Forum*. Salt Lake City, Utah

Hotchkin, C.F., Parks, S.E., & Weiss, D.J. (2013) Vocal modifications in primates: Effects of noise and behavioral context on the acoustic structure of vocalizations. *165<sup>th</sup> Meeting of the Acoustical Society of America*

Weiss, D.J., Poepsel, T., & Zinszer, B. (2013) Know when to hold 'em: Detecting structural changes in statistical learning. APS. Washington, D.C. \*Symposium organizer for session titled Inside the bilingual mind: The challenge of processing multiple languages

Weiss, D.J. & Chapman, K.M. (2012) Object manipulation in non-human animals. 53<sup>rd</sup> Annual Meeting of the Psychonomic Society. Minneapolis, MN

Chapman, K.M., Mitchel, A.D., van der Wel, R., Weiss, D.J., Rosenbaum, D.A. (2012) A constraint hierarchy approach to bimanual rotation. *New England Sequencing and Timing*. Amherst, Ma.

Mitchel, A.D. & Weiss, D.J. (2011) Visual speech segmentation: Using facial cues to locate word boundaries in continuous speech. *36<sup>th</sup> Annual Boston University Conference on Language Development*. Boston, Ma.

Poepsel, T., Gerfen, C., & Weiss, D.J. (2011) Context, mutual exclusivity and the challenge of multiple mappings in word learning. *36<sup>th</sup> Annual Boston University Conference on Language Development*. Boston, Ma.

Weiss, D.J. & Chapman, K.M. (2011) Scaling as an index of sequence planning in cotton-top tamarins (*Saguinus oedipus*). 48th Annual Meeting of the Animal Behavior Society. Bloomington, IN.

Chapman, K.M. & Weiss, D.J. (2010) Multi-action planning in cotton-top tamarins (*Saguinus oedipus*). Fall Meeting of the Comparative Cognition Society. St. Louis, Mo.

Graves, H.M. & Weiss, D.J. (2010) Visual access alters mate preference behavior. Fall Meeting of the Comparative Cognition Society.

Chapman, K.M. & Weiss, D.J. (2010) Laboratory-reared cotton top tamarin monkeys (*Saguinus oedipus*) coordinate sequential motor actions. 33<sup>rd</sup> Meeting of the American Society of Primatologists, Louisville, Ky.

Graves, H.M. & Weiss, D.J. (2010) Does monkey see drive monkey do? The role of visual access in a mate preference task. 33<sup>rd</sup> Meeting of the American Society of Primatologists, Louisville, Ky.

Chapman, K.M. & Weiss, D.J. (2010) The perception of goal-directed actions by cotton-top tamarins. The 17<sup>th</sup> International Conference on Comparative Cognition, Melbourne, Fl.

Chapman, K.M. & Weiss, D.J. (2009) Motor Planning in Lemurs: The end-state comfort effect. The 16th International Conference on Comparative Cognition, Melbourne, Fl.

Linck, J. & Weiss, D.J. (2009) Working memory predicts the acquisition of explicit L2 knowledge. Georgetown University Round Table, Washington, DC

Chapman, K.M. & Weiss, D.J. (2008) Learning the ropes: Motor planning in cotton-top tamarins (*Saguinus oedipus*). Comparative Cognition and Learning Society Meeting, Chicago, IL.

Mitchel, A. & Weiss, D.J. (2008) Faces in segmentation: The role of audio-visual integration. 33<sup>rd</sup> Annual Boston University Conference on Language Development

Weiss, D.J., Gerfen, C. & Mitchel, A. (2007) Colliding cues in word segmentation: The role of cue strength and individual differences. 32<sup>nd</sup> Annual Boston University Conference on Language Development

Weiss, D.J., Gerfen, C., Mitchel, A. & Rizzo, W. (2007) Inhibitory control in speech segmentation *International Linguistics Association Annual Meeting*, New York, NY

Weiss, D.J., Wark, J.D. & Rosenbaum, D.A. (2007) A comparative approach to motor planning *International Linguistics Association Annual Meeting*, New York, NY

Weiss, D.J. (2006) A comparative approach to motor planning *Cognitive Science Society*. Vancouver, Ca.

Mitchel, A., Weiss, D.J., Gerfen, C. & Rizzo, W. (2006) The role of pauses in segmenting speech: A new perspective on colliding cues. *Hoosier Mental Life*

Weiss, D.J. & Gerfen, C. (2006) Bilingual Speech Segmentation. *Eastern Psychological Association*

Weiss, D.J. & Newport, E.L. (2006) A commentary on the language evolution symposium. *American Association for the Advancement of Science*. St. Louis, Mo.

Weiss, D.J. & Gerfen, C. (2005) Language segmentation in a bilingual environment. *30<sup>th</sup> Annual Boston University Conference on Language Development*

Newport, E., Weiss, D.J., Aslin, R.N., and Wonnacott, L. (2004) Statistical Learning in Speech: Syllables or Segments? *29<sup>th</sup> Annual Boston University Conference on Language Development*.

Maye, J. and Weiss, D.J. (2004) "Phonetic Learning in Infancy" International Conference of Infant Studies (ICIS), Chicago, IL.

Weiss, D.J. and Maye, J. (2002) "The role of contrast in the acquisition of phonetic systems." *Second International Conference on Contrast in Phonology*, Toronto.

Weiss, D.J. and Maye, J. (2002) "Statistical cues facilitate infants' discrimination of difficult phonetic contrasts." *27<sup>th</sup> Annual Boston University Conference on Language Development*.

#### **CONFERENCE POSTERS (REFEREED)**

---

Schwob, N, & Weiss, D.J, (2020) Avoiding the short end of the stick: Consistent second order planning in Cotton Top Tamarins. *61<sup>st</sup> Meeting of the Psychonomic Society*, virtual.

Link, A., Carlson, M. & Weiss, D.J. (2020) Acquiring grammatical classes from distributional properties of the input: The challenge of bilingual acquisition *61<sup>st</sup> Meeting of the Psychonomic Society*, virtual.

Karuza, E.A., McCaffrey, C.J., Miller, C.A., Weiss D.J., & Nippold, M.A. (2021, postponed due to CoVid) Network topology of expository discourse in adolescents predicts performance on a test of expressive syntax. *15th Congress of the International Association for the Study of Child Language*. Philadelphia, Pa.

Park, J.S., Miller, C., Sanjeevan, T., van Hell, J., Weiss, D.J., Minela- Arnold, E. (2021, postponed due to CoVid) Enhancing the prediction of risk of developmental language disorder in linguistically diverse settings. *15th Congress of the International Association for the Study of Child Language*. Philadelphia, Pa.

Lebkuecher, A. L., Schwob, N., Kabasa, M., MacDonald, M., Weiss, D. J. (2019). *Plan reuse in motor and language production*. Poster presentation at the *60<sup>th</sup> meeting of the Psychonomic Society in Montreal, Canada*

Epping, A., Schwob, N., Weiss, D.J., & Tagliatalata, J. (2019) Anticipatory motor

- planning in Bonobos (*Pan paniscus*) 56<sup>th</sup> Annual Conference of the Animal Behavior Society. Chicago, IL.
- Schwob, N., Lebkuecher, A., Kabasa, M., Kwon, J., Mason, A., MacDonald, M., & Weiss, D.J. (2018) *Common constraints in language and motor planning*. 59<sup>th</sup> Annual Meeting of the Psychonomic Society. New Orleans, La.
- Park, J., Miller, C. A., Rosenbaum, D., Sanjeevan, T., van Hell, J., Weiss, D., & Mainela-Arnold, E. (2018) *Cognitive language learning mechanisms in bilingual and monolingual children with and without developmental language disorder*. American Speech-Language-Hearing Association Conference. Boston, Ma.
- Bulgarelli, F., Weiss, D. J., Dennis, N. A. (2018). *The effect of healthy aging on cross situational statistical word learning*. Cognitive Aging Conference. Atlanta, GA.
- Park, J., Miller, C. A., Rosenbaum, D., Sanjeevan, T., van Hell, J., Weiss, D., & Mainela-Arnold, E. (June, 2018). *Cognitive language learning mechanisms in bilingual and monolingual children with and without developmental language disorder*. Symposium on Research in Child Language Disorders, Madison, WI.
- Jost, E., Mitchel, A., Weiss, D.J., & Christiansen, M.H. (2017) Integration of audio and visual streams during statistical learning. 2<sup>nd</sup> Interdisciplinary Advances in Statistical Learning, Bilbao, Spain.
- Bulgarelli, F., Bosch, L., & Weiss, D.J. (2017) Simultaneous Visual Statistical Learning in Monolinguals and Bilinguals. 2<sup>nd</sup> Interdisciplinary Advances in Statistical Learning, Bilbao, Spain.
- Bulgarelli, F., Bosch, L., & Weiss, D.J. (2016) Comparing monolingual and bilingual learners' performance on a multi-level statistical learning task. Annual Meeting of the Psychonomic 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, Annual Meeting of the Psychonomic Society, Boston, Ma.
- Poepsel, T.J., Weiss, D.J. (2016) The influence of bilingualism on ambiguity resolution in cross-situational learning, Annual Meeting of the Psychonomic Society, Boston, Ma.
- Bulgarelli, F., Benitez, V., Saffran, J.R., Byers-Heinlein, K., & Weiss, D.J. (2016) Statistical learning of multiple structures by 8-month-old infants, 41st Boston University Conference on Language Development, Boston, Ma.
- George, N.R., Kanero, J., Chwilla, D.J. & Weiss, D.J. (2016) Are we ON the same page? Monolingual and bilingual acquisition of familiar and novel relational language, 38<sup>th</sup> Annual Conference of the Cognitive Science Society, Philadelphia, Pa.

- Koranda, M.J., Bulgarelli, F., Weiss, D.J., & MacDonald, M.C. (2016) Parallels between Action Priming and Syntactic Priming, International Workshop on Language Production, San Diego, Ca.
- Koehler, H., Rosenbaum, D.A., Miller, C., & Weiss, D.J. (2015) Motor planning across domains: relationships between speech and object manipulation in children. American Speech-Language-Hearing Association Conference, Denver, Co.
- Bulgarelli, F. & Weiss, D.J. (2015) “When enough is enough: the role of additional exposure when tracking multiple structures” Interdisciplinary Advances in Statistical Learning, San Sebastian, Spain.
- Park, J., Mainela-Arnold, E., Miller, C.A., Sanjeevan, T., Komeili, M., Van Hell, J., Weiss, D., Rosenbaum, D.A. (2015). Does dual language exposure modify cognitive processes related to language abilities? Poster presented at the Symposium on Research in Child Language Disorders, Madison, Wisconsin.
- Sanjeevan, T., Mainela-Arnold, E., Park, J., Miller, C.A., Komeili, M., Rosenbaum, D.A., Weiss, D., Van Hell, J. (2015). Motor ability as a predictor of language ability. Poster presented at the Symposium on Research in Child Language Disorders, Madison, Wisconsin.
- Bulgarelli, F., Weiss, D.J. (2014) Tracking Multiple Structures: An Insight into the Primacy Effect. 55<sup>th</sup> Annual Meeting of the Psychonomic Society. Long Beach, CA.
- Heimbauer, L. A., Qian, T., Aslin, R. N., & Weiss, D. J. (November 2014). Detection of probabilistic change by rhesus macaques (*Macaca mulatta*). 55<sup>th</sup> Annual Meeting of the Psychonomic Society. Long Beach, CA.
- Groner, R., & Weiss, D.J. (2014) *Action Selection in Nonhuman Primates*. Annual Convention of the American Psychological Association. Washington, D.C.
- Park, J., Mainela-Arnold, E., Miller, C., Sanjeevan, T., Komeili, M., van Hell, J., Weiss, D., & Rosenbaum, D. (2014). *Relationships between procedural learning, English ability, and dual language exposure in bilingual children from diverse linguistic backgrounds*. Symposium on Research in Child Language Disorders, Madison, Wisconsin.
- Poepsel, T. & Weiss (2013) *The Consequences of Bilingualism for Statistical Word Learning*. International Conference on Multilingualism Montreal, Canada
- Zinszer, B. & Weiss, D.J. (2013) *When to hold and when to fold: Detecting structural changes in statistical learning*. 35th Annual Conference of the Cognitive Science Society. Berlin, Germany

- Karuza, E., Li, P., Weiss, D.J., & Aslin, R.N. (2013) *Neural substrates underlying the primacy effect in statistical learning* Lake Ontario Visionary Establishment Conference. Niagra Falls, NY
- Chapman, K.M. & Weiss, D.J. (2012) Object manipulation in infants and children. 53<sup>rd</sup> Annual Meeting of the Psychonomic Society. Minneapolis, MN
- Mitchel, A.D, Stevenson, M.T., Gerfen, C., & Weiss, D.J. (2012) You say tomato: Forming speaker-specific phonemic boundaries through audiovisual perceptual tuning. 53<sup>rd</sup> Annual Meeting of the Psychonomic Society. Minneapolis, MN
- Karuza, E., Li, P., Weiss, D.J., & Aslin, R.N. (2012) *Neural substrates underlying the primacy effect in statistical learning* Neurobiology of Language Conference, San Sebastian, Spain
- Zander, S., Judge, P. & Weiss, D.J. (2012) *Captive squirrel monkeys demonstrate end-state comfort effect on a grasping task* 35<sup>th</sup> meeting of the American Society of Primatologists, Sacramento, California
- Hotchkin, C.F., Weiss, D.J., & Parks, S.E. (2012) *Effects of noise on spectral content of cotton-top tamarin (Saguinus oedipus) vocalizations* Animal Behavior Society Annual Meeting, Albuquerque, New Mexico
- Graves, H.M. & Weiss, D.J. (2011) *How monkey see changes monkey do: Visual access affects monkeys' social preference.* 48<sup>th</sup> Annual Meeting of the Animal Behavior Society. Bloomington, IN.
- Weiss, D.J. & Chapman, K. (2011) *Revisiting action perception in cotton-top tamarins (Saguinus oedipus).* 48<sup>th</sup> Annual Meeting of the Animal Behavior Society. Bloomington, IN.
- Mitchel, A., Christiansen, M. & Weiss, D.J. (2011) *Cross-modal effects in statistical learning: Evidence from the McGurk illusion.* Cognitive Science. Boston, Ma.
- Chapman, K. & Weiss, D.J. (2011) *Pulling to scale: Cotton-top tamarins (Saguinus oedipus) plan for sequential motor actions.* Association for Psychological Science. Washington, DC.
- Weiss, D.J. & Chapman, K. (2011) *The perception of goal-directed action by cotton-top tamarins (Saguinus oedipus).* Association for Psychological Science. Washington, DC.
- Graves, H.M. & Weiss, D.J. (2011) *How monkey see changes monkey do: Visual access affects Monkey' social preference.* Association for Psychological Science. Washington, DC.

Mitchel, A. & Weiss, D.J. (2011) *Visual speech segmentation: Using facial cues to locate word boundaries in continuous speech*. Association for Psychological Science. Washington, DC.

Mitchel, A., Christiansen, M., & Weiss, D.J. (2010) *Cross-modal effects in statistical learning: Evidence from the McGurk illusion*. 36<sup>th</sup> Annual Boston University Conference on Language Development, Boston, Ma.

Chapman, K. & Weiss, D.J. (2010) *The perception of goal-directed actions by cotton-top tamarins*. 51<sup>st</sup> Annual Meeting of the Psychonomic Society. St. Louis, Mo.

Mitchel, A. and Weiss, D.J. (2010) *Visual speech segmentation: Using facial cues to locate word boundaries in continuous speech*. 51<sup>st</sup> Annual Meeting of the Psychonomic Society. St. Louis, Mo.

Dzieweczynski, J., Linck, J., and Weiss, D.J. (2010) *Working memory at work: Relations with motivation, learning, and performance*. Society for Industrial & Organizational Psychology (SIOP), Atlanta, Ga.

Chapman, K. & Weiss, D.J. (2009) *Stick to the Plan: How Tamarin Monkeys Coordinate Sequential Motor Actions*. 50<sup>th</sup> Annual Meeting of the Psychonomic Society, Boston, Ma.

Mitchel, A. and Weiss, D.J. (2008) *Multi-sensory statistical learning: Evidence for modality-general mechanisms*. Cognitive Science Society. Washington, DC.

Mitchel, A. and Weiss, D.J. (2007) *The role of faces in bilingual segmentation: The importance of audio-visual synchrony*. 3rd Annual Rovereto Workshop on Bilingualism

Weiss, D.J. and Gerfen, C. (2007) *The influence of pauses on statistical learning: New thoughts on colliding cues*. Society for Research on Child Development, Boston, Ma.

Weiss, D.J. and Gerfen, C. (2005) *Bilingual Speech Segmentation*. 46th Annual Meeting of the Psychonomic Society, Toronto.

## **PUBLIC SPEAKING**

---

“Embracing Diversity: Lessons from Second Language Learning” Inaugural meeting of Bilingualism Matters @ PSU. Bennett Family Center. University Park, Pa. April 2015

“Embracing Diversity: Lessons from Second Language Learning” Inaugural meeting of Bilingualism Matters @ PSU. Schlow Library. State, College, Pa. January 2015



## GRADUATE STUDENTS AND POSTDOCS

---

### *Graduate Students*

Amy Lebkeucher  
Allison Link  
Natalie Schwob

### *Former Graduate trainees*

Katie M. Chapman (Masters; Visiting Assistant Professor; University of Arkansas)  
Helen Marie Graves (Masters)  
Aaron Mitchel (PhD; Associate Professor of Psychology; Bucknell University)  
Tim Poepsel (PhD; Corporate Translations)  
Federica Bulgarelli (PhD; Postdoc at Duke University)

### *Former Postdocs*

Lisa Heimbauer – Associate Professor, SUNY Delhi  
Nate George – Assistant Professor, Adelphi University

## TEACHING

---

### *Penn State University*

2003-present

Continuation of Animal Minds course,  
Advanced methods in psychology (Psych 401)  
Introduction to Language Acquisition  
Advanced laboratory methods in animal research  
Proseminar in Cognitive Psychology  
Graduate Seminar in Language Acquisition (Psych 525; Spring 2009)  
Graduate Seminar in Comparative Cognition (to be taught 2012)  
Senior Seminar in comparative cognition (Psych 490) “What Makes Us Human”

### *University of Rochester*

2001-2003

Designed and taught a course on animal cognition and communication  
(BCS/PSY183 Animal Minds) at University of Rochester

### *Harvard University*

1998 Tutor in Psychology (Selected position; led a seminar for sophomores covering areas such as Communication, Memory, Intelligence, Psychopathology, Addiction, and Emotion)  
1997 and Tutor for Mind, Brain, and Behavior Program  
1999-2000 (Selected position; led a seminar for sophomores in selected topics in cognitive neuroscience)  
1995-1998 Teaching Fellow for Introduction to Psychology  
1996 Teaching Fellow for Cognitive Psychology