

Adam R. Fishbein

4123 Biology-Psychology Building • College Park, MD 20742 • email: afishbein87@gmail.com

EDUCATION

- University of Maryland:** College Park, MD
Degree: PhD student in Neuroscience and Cognitive Science Aug 2015 - Present
Advisor: Robert Dooling (Psychology)
Committee Members: Greg Ball (Psychology),
Juan Uriagereka (Linguistics), Bill Idsardi (Linguistics), Catherine Carr (Biology)
- University of Southern California:** Los Angeles, CA
Degree: Master of Professional Writing, concentration in fiction Aug 2012
Thesis: Short story collection "Leftover People and Other Stories"
- University of Maryland:** College Park, MD
Degree: B.A. Philosophy; B.A. Linguistics May 2009
Graduated Cum Laude

RESEARCH AND TRAINING

- Graduate Research Assistant** July 2015 – Present
Avian Behavioral Neuroscience lab, UMD
- Summer School Course in Acoustic Communication** Aug 2017
Terrestrial and Marine Field Stations of the Institute of Biology, University of Southern Denmark
- Field Course in Animal Communication** July 2016 – Aug 2016
Project title: Duetting in Chestnut-Backed Antbirds
Barro Colorado Island, Panama
- Baggett Summer Research** Summer 2008
Studied Vocal Mimicry in Satin Bowerbirds, UMD

PUBLICATIONS

- Fishbein, A. R.**, Lawson, S. L., Dooling, R.J., Ball, G.F. How Canaries Listen to Their Song: Species-Specific Shape of Auditory Perception. *Journal of the Acoustical Society of America*. 2019.
- Fishbein, A. R.**, Löschner, J., Mallon, J. M, Wilkinson, G. S. Sex-Specific Responses to Synthetic Songs in a Duetting Suboscine Passerine. *PLOS ONE*. 2018.
- Lawson, S.L., **Fishbein, A. R.**, Prior, N.H., Dooling, R.J., Ball, G.F. Relative Salience of Syllable Structure and Syllable Order in Zebra Finch Song. *Animal Cognition*. 2018.

PRESENTATIONS

- Fishbein, A. R.**, Prior, N. H., Idsardi, W. J., Ball, G. F., Dooling, R. J. (2019) Perception of Variation in Song Motifs by Birds and Humans. Poster to be presented at upcoming 26th International Conference On Comparative Cognition, Melbourne Beach, FL.
- Fishbein, A. R.**, Lu, Kai, Shamma, S. A., Fritz, J. B., Dooling, R. J. (2019). Neurophysiological Coding of Temporal Fine Structure in the Auditory Forebrain of the Zebra Finch. Poster presented at 42nd Annual Meeting of the Association for Research in Otolaryngology, Baltimore, MD.

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Fishbein, A. R., Prior, N. H., Ball, G. F., Dooling, R.J. (2018). Perception of Sequences and Syllables in Vocal Learning Birds. Presentation at Birdsong and Animal Communication Annual Meeting, Millbook, NY.

Fishbein, A. R., Prior, N. H., Lawson, S. L., Ball, G. F., Dooling, R. J. (2018). Variation in How Birds Listen to Their Songs. Presentation at 55th Annual Conference of the Animal Behavior Society, Milwaukee, WI.

Fishbein, A. R., Ball, G. F., Dooling, R. J. (2018). Use of Transition and Abstract Rules by Budgerigars in Auditory Pattern Processing. Presentation at 175th Meeting of the Acoustical Society of America, Minneapolis, MN.

Fishbein, A. R., Ball, G. F., Dooling, R. J. (2017). Use of Transition and Abstract Rules by Budgerigars in Auditory Pattern Processing. Poster presented at Birdsong 7, College Park, MD.

Fishbein, A. R. and Dooling, R. J. (2017). An Efficient Behavioral Assay for Measuring Auditory Pattern Processing in Budgerigars. Poster presented BBI Research Workshop: New Perspectives on Animal Models of Language and Cognition, College Park, MD.

Fishbein, A. R., Löschner, J., Mallon, J. M., Wilkinson, G. S. (2017). Sex-Specific Responses to Synthetic Songs in a Duetting Suboscine Passerine. Presentation at 4th International Symposium on Acoustic Communication by Animals, Omaha, NE.

Fishbein, A. R. and Dooling, R. J. (2017). An Efficient Behavioral Assay for Measuring Auditory Pattern Processing in Budgerigars. Poster presented at 4th International Symposium on Acoustic Communication by Animals, Omaha, NE.

Lawson, S.L., **Fishbein, A. R.**, Prior, N.H., Dooling, R.J., Ball, G.F. (2017) Perception of Structural Changes in Song Motifs by Zebra Finches. Poster presented at 4th International Symposium on Acoustic Communication by Animals, Omaha, NE.

Fishbein, A. R., Lawson, S. L., Dooling, R.J., Ball, G.F. (2017). How Canaries Listen to Their Song. Presentation at 173rd Meeting of the Acoustical Society of America, Boston, MA.

Lawson, S.L., **Fishbein, A. R.**, Prior, N.H., Lohr, B., Dooling, R.J., Ball, G.F. (2017). Relative Saliency of Syllable Order versus Syllable Fine Structure in Zebra Finch Song. Work presented at 173rd Meeting of the Acoustical Society of America, Boston, MA.

Fishbein, A. R., Lawson, S. L., Ball, G.F., Dooling, R. J. (2016). Using Operant Conditioning Methods to Measure Song Perception in Birds. Poster presented at 6th Meeting of the North American Ornithological Conference, Washington, D.C.

AWARDS AND HONORS:

NIH Predoctoral Traineeship Fellowship , CCEBH, UMD	2017
Graduate Student Travel Award , BSOS, UMD	2017
Research Training Award , NACS Program, UMD	2017
Travel Award , NACS Program for First-Year Project, UMD	2016
NSF Research Traineeship Fellowship , Language Science Center, UMD	2016
Assistant Lectureship , USC	2010
Baggett Summer Research Scholarship , UMD	2008

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Honors Program Certificate, UMD

2008

TEACHING EXPERIENCE

Co-Instructor, LING272 The Biophysics of Language
University of Maryland: College Park, MD

Fall 2018

Graduate Fellow, Pulsar Language Science Research Seminar
University of Maryland: College Park, MD

Spring 2017 – Fall 2017

Lecturer, ENGL101 (Academic Writing)
University of Maryland: College Park, MD

Fall 2014 – Spring 2015

Lecturer, LIT/WRTG100, LIT/WRTG101 (College Writing I and II)
American University: Washington, DC

Fall 2013 – Spring 2015

Graduate Lecturer, WRIT140 (Writing and Critical Reasoning)
University of Southern California: Los Angeles, CA

Fall 2010 – Spring 2012

ADDITIONAL TRAINING

Independent Study with Lab Research Engineer, Ed Smith
Matlab, Sound Recording, Signal Analysis

June 2016 – Dec 2016

Introduction to Bayesian Statistical Modeling, UMD

June 2016

Training in Teaching, UMD

Fall 2014

Training in Teaching, USC

Fall 2010

PROFESSIONAL SERVICE

Chair, Language Science Professional Development Committee

2017 – 2018

Co-Chair, Language Science Lunch Talks Committee

2017

Member, Language Science Winter Storm Planning Committee

2017, 2018

Member, Language Science Professional Development Committee

2016 – Present

Member, Language Science Day Planning Committee

2016

MENTORSHIP EXPERIENCE

Mentor for Undergraduate Student, Delphine Gardiner

Sept 2018 – Present

Mentor for Undergraduate Student, Mahler Revsine

May 2018 – Aug 2018

Graduate Fellow for PULSAR Undergraduate Research Program

Jan 2017 – Dec 2017

Mentor for Undergraduate Student, Eli Kane

Sept 2017 – Dec 2017

Mentor for Undergraduate Student, Janeila Benjamin

Mar 2017 – Aug 2017

Tutor for Study Point: Washington, DC

Aug 2014 – Jan 2015

Volunteer Tutor at School on Wheels: Los Angeles, CA

Mar 2012 – Sept 2012

Volunteer Tutor at Los Angeles Mission: Los Angeles, CA

Apr 2012 – Sept 2012

OUTREACH EXPERIENCE

Lab Tour for Terp Discovery Students

July 2017

Maryland Day Table Volunteer, UMD

Apr 2017

Lunch with Montgomery Blair High School Linguistics Club

Feb 2017

LAY SCIENCE PUBLICATIONS

Seeds for Thought: Is there Structure in Birdsong? Umdlanguagescience.org, Mar. 27, 2018.

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Birds Can Tell Us a Lot About Human Language. Scientificamerican.com, Feb 2., 2018.

How Canaries Listen to Their Song. Popular version of presentation at 173rd meeting of Acoustical Society. Acoustics.org

SKILLS

MATLAB: proficient

Excel: proficient

Adobe Audition: proficient

Raven Pro: proficient

SPSS: intermediate

Avisoft: beginner

R: beginner

FICTION PUBLICATIONS AND OTHER ACTIVITIES

DreamLand, Amazon Direct Publishing (2015); "Uncle Camus," *Cactus Heart* (2015); "The Untapped," *The Offbeat* (2015); "Igloo," *Connu* (2013); "Moving In," *Necessary Fiction* (2012); "As A Child," *Stylus* (2009)

Co-Founder and Member, Improv Comedy Group "The Female Accent," Jan 2015 – Present

Member, Washington Improv Theater ensemble "Thank You for Sharing," Apr 2015 – Sept 2016