Brandon Rhodes

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EDUCATION

The University of Chicago   Chicago, IL USA
PhD candidate, Department of Linguistics
September 2015 –

M.S. candidate, Department of Statistics
September 2019 – February 2021

Indiana University   Bloomington, IN USA
Bachelor of Arts, Linguistics
August 2011 – May 2015

RESEARCH INTERESTS

Statistical methods with natural language data, computational linguistics, phonology, unsupervised learning, natural language processing

PUBLICATIONS

Journal

1. Tortoriello G, **Rhodes BP**, Harkany T, Bradshaw HB. 2013. *Targeted Lipidomics in Drosophila Melanogaster Identifies Novel 2-Monoacylglycerols and N-acyl Amides.* PLOS ONE.

2. Siham Raboune, Jordyn M. Stuart, Emma Leishman, Sara M. Takacs, **Brandon Rhodes**, Arjun Basnet, Evan Jameyfield, Douglas McHugh, Theodore Widlanski and Heather Bradshaw. 2014. *Novel endogenous N-acyl amides activate TRPV1-4 receptors, BV-2 microglia, and are regulated in brain in an acute model of inflammation.* Frontiers in Cellular Neuroscience.

Proceedings

3. **B Rhodes**, K Berkson, K de Jong, S Lulich. *Real-time three-dimensional ultrasound imaging of pre-and post-vocalic liquid consonants in American English.* The Journal of the Acoustical Society of America 137 (4), 2268-2269.

4. SM Lulich, **B Rhodes**, M Nelson, K Berkson, K de Jong. *Three-dimensional tongue shapes of/r/production in American English words.* The Journal of the Acoustical Society of America 139 (4), 2222-2222.

Editorial

5. Edmiston, Ermolaeva, Hakgüder, Lai, Montemurro, **Rhodes**, Sankhagowit, Tabatowski (eds.), *Proceedings of the Fifty-third Annual Meeting of the Chicago Linguistic Society.*

PRESENTATIONS

Poster presentations

1. Levels of endocannabinoids and related N-acyl amides change in the cerbellum, midbrain, brainstem and thalamus in a model of acute peripheral inflammation. International Cannabinoid Research Society Symposium on the Cannabinoids. Freiburg, Germany. July 2012.

2. Gene deletion to observe copper sensitivity in Saccharomyces cerevisia. STEM Summer Scholars Institute. Indiana University Purdue University Indianapolis. Indianapolis, IN USA. July 2013.

3. Real-time three-dimensional ultrasound imaging of pre- and post-vocalic liquid consonants in American English – **with Kelly Berkson, Ken de Jong and Steven Lulich** (all at Indiana University). Acoustical Society of America. Pittsburgh, PA USA. May 2015.

4. Severing the external argument from the aspectual verb – **with Thomas Grano** (Indiana University). Linguistic Society of America. Washington, DC USA. January 2016.

PROFESSIONAL	International Cannabinoid Research Society	2012-2013
MEMBERSHIPS	Phi Beta Kappa	2015 – present
	Chicago Linguistic Society	2016-2017

RESEARCH EXPERIENCE

Data analysis
- Reproductive neuroscience, Dr. Heather Bradshaw — 2011-2012

Lab technician
- Reproductive neuroscience, Dr. Heather Bradshaw — 2011-2012
- Molecular biology, Dr. Andrew Kusmierczyk — Summer 2012
- Speech and Hearing Sciences, Dr. Steven Lulich — 2014-2015

Assistant
- Syntax/semantics of aspectual verbs, Dr. Thomas Grano — Summer 2015

Independent
- Mathematical linguistics, morphology — 2016-2017
  Qualifying paper: Geometrical Morphology
  Advisers: John Goldsmith, Jason Riggle
- Mathematical linguistics, phonology — 2017-2018
  Qualifying paper: A phonemic comparison of dialects of Arabic
  Advisers: John Goldsmith, Jason Riggle
- Mathematical linguistics, statistical methods in linguistics, — 2018-2019
  computational linguistics, phonology
  Dissertation proposal:
  Dynamic Computational Networks – Accent and Syllabification
  Committee: Diane Brentari, John Goldsmith, Jason Riggle (chair)
- Statistical methods in linguistics, phonetics, phonology — 2019 —
  Dissertation
  Committee: Diane Brentari, John Goldsmith, Jason Riggle (chair)
- Multi-view acoustic word embeddings with Transformer — Spring 2020
  encoders
  Course project: Speech Technologies (TTIC 31110)
  Professor / Advisor: Karen Livescu
- Reanalysis of study:
  'Asking young children to "do science" instead of "be scientists"' — Autumn 2020
  increases science engagement in a randomized field experiment'
  Source: https://www.pnas.org/content/117/18/9808
  Course project: Data Analysis Project (STAT 34900)
  Professor / Advisor: Peter McCullagh

TEACHING EXPERIENCE

Teaching Assistant
- LING 20001: Introduction to Linguistics — Autumn 2017
  25 students
- LING 20101: Introduction to Phonetics and Phonology — Autumn 2018
  50 students
- LING 20001: Introduction to Linguistics — Winter 2019
  20 students

Lecturer
- LING 20001: Introduction to Linguistics — Spring 2020
  18 students, no teaching assistant

OTHER EXPERIENCE	<u>Conference abstract reviewer</u>	
	Fifty-second Meeting of the Chicago Linguistic Society	2015-2016
	Fifty-third Meeting of the Chicago Linguistic Society	2016-2017
	<u>Conference organizer</u>	
	Fifty-third Meeting of the Chicago Linguistic Society	2016-2017
	<u>Conference proceedings editor</u>	
	Fifty-third Meeting of the Chicago Linguistic Society	2016-2017
LANGUAGES	Native: English	
	Basic fluency: Spanish	
	Conversational: Arabic (intermediate), Italian (beginner)	
	Reading and writing: Arabic (intermediate), Italian (intermediate)	
	Programming: R, Python, PyTorch, SQL, LaTeX, C, Haskell	