DAVE F. KLEINSCHMIDT

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Education

2010-present University of Rochester, Rochester, NY: Brain and Cognitive Sciences
- Advisor(s): Florian Jaeger, Alexandre Pouget, Richard Aslin

2009 Williams College, Williamstown, MA: Bachelor of Arts, *summa cum laude*
- Major: Mathematics, Concentration: Cognitive Science
- Highest Honors in Cognitive Science, thesis: An ARTful case for the existence of sublexical representations in speech perception. (PDF available at http://library.williams.edu/theses/pdf.php?id=328).

Research Appointments

2009-2010 Baggett Fellow, University of Maryland Dept. of Linguistics (Prof. Bill Idsardi)

2006-2009 Research Assistant, Williams College Dept. of Psychology (Prof. Safa Zaki)

Teaching

2012, Spring Teaching assistant, BCS 153 Cognition (Kelly Hughes), University of Rochester, Dept. of Brain and Cognitive Science

2011, Spring Teaching assistant, BCS 153 Cognition (Daphne Bavelier), University of Rochester, Dept. of Brain and Cognitive Science

2009, Spring Teaching Assistant, MATH 404 Ergodic Theory (Cesar Silva), Williams College Dept. of Mathematics

Honors and Awards

2011 Best Student Talk, Architectures and Mechanisms of Language Processing (AMLaP) Conference

2011-2014 National Science Foundation, Graduate Research Fellowship ($30,000/year)

2010 Sproull Fellowship, University of Rochester ($25,600/year)

2009 Baggett Fellowship, University of Maryland Linguistics (Post Bac. research fellowship, $24,500)

2008-2009 Phi Beta Kappa, Williams College

2005-2009 Dean's List, Williams College

2005-2009 Tyng Scholarship (Williams College merit scholarship, totaling $30,000-$40,000/year; total of three Tyng Scholars in the class of 2009)

2005-2009 Robert C. Byrd Scholarship ($1,500/year)

2005 National Merit Scholar ($2,500)

2005 Clyde Russell Scholarship (Maine Educational Association merit scholarship, $10,000)

Papers

Croft, W., Bhattacharya, T., **Kleinschmidt, D.F.**, Smith, D.E., & Jaeger, T.F. (2011). Greenbergian universals, diachrony, and statistical analyses. *Linguistic Typology*, *15*(2), 433-453. doi:10.1515/LITY.2011.029

Zaki, S. & **Kleinschmidt, D.F.**, (submitted) Unraveling the procedural/rule-based dissociation in categorization: cognitive difficulty or specialization?

Kleinschmidt, D.F. & Jaeger T.F. (in prep.) Phonetic adaptation and belief-updating: A theoretical framework for investigating flexibility in language use.

Conference Presentations

Kleinschmidt, D.F. & Jaeger, T.F. (2012). A continuum of phonetic adaptation: Evaluating an incremental belief-updating model of recalibration and selective adaptation. Submitted to *34th Annual Meeting of the Cognitive Science Society*

Kleinschmidt, D.F., Fine, A.B., & Jaeger, T.F. (2012). A belief-updating model of adaptation and cue combination in syntactic comprehension. Submitted to *34th Annual Meeting of the Cognitive Science Society*

Kleinschmidt, D.F. & Jaeger, T.F. (2012). Evaluation of a Bayesian belief-updating model for the time course of linguistic adaptation. *25th Annual CUNY Conference on Human Sentence Processing*. (poster)

Kleinschmidt, D.F., Fine, A.B., & Jaeger, T.F. (2012). A Bayesian belief-updating model of syntactic expectation adaptation. *25th Annual CUNY Conference on Human Sentence Processing*. (poster)

Kleinschmidt, D.F., & Jaeger, T.F. (2011). A Bayesian belief updating model of phonetic recalibration and selective adaptation. *Architectures and Mechanisms of Language Processing (AMLaP) Conference*. (talk)

Kleinschmidt, D.F., & Jaeger, T.F. (2011). A Bayesian belief updating model of phonetic recalibration and selective adaptation. *2nd ACL Workshop on Cognitive Modeling and Computational Linguistics*. (talk)

Kleinschmidt, D.F. (2010). Efficient coding of speech in the auditory cortex. *Second Annual Neurobiology of Language Conference* (poster)

Service

Advancing statistical literacy among cognitive scientists, psychologists, and linguists, via presentations at workshops and tutorials on statistical methods

- *ANOVA and Mixed-Effects Models in R for Language Scientists*, presentation at University of Maryland Linguistics Dept. Winter Storm language sciences workshop, 2010
- *Preparing data for analysis using R*, presentation with Alex B. Fine at University of Rochester BCS workshop on mixed-effects regression analysis for cognitive scientists, 2011

Fostering interdisciplinary connections between language scientists, cognitive scientists, psychologists, and computer scientists

- Assisted with organization and instruction of interdisciplinary Department of Linguistics graduate seminar on cognitive psychology and machine learning approaches to categorization for language scientists at University of Maryland, 2010.

References

Available on request