

# Curriculum Vitae

## Andrew Benjamin Wedel

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### Chronology of Education

B.A. 1986, Swarthmore College. Major field: Biology.

Ph.D. 1992, University of California, Berkeley. Major field: Molecular Biology. Advisor: Sydney Kustu. Dissertation: *The mechanism of open complex formation by sigma(54)-holoenzyme.*

Ph.D. 2004, University of California, Santa Cruz. Major field: Linguistics. Advisor: Jaye Padgett. Dissertation: *Self-Organization and Categorical Behavior in Phonology.*

### Chronology of Employment

- 1993-1995 Postdoctoral Fellow  
Max Planck Institute for Biochemistry,  
Martinsried, Germany
- 1995-1999 Postdoctoral Fellow  
Center for the Molecular Biology of RNA,  
University of California, Santa Cruz
- June-Aug, 2001, Jan-Feb, 2002, June-Aug, 2002  
Visiting researcher  
Max Plank Institute for Cognitive Neuroscience,  
Leipzig, Germany
- 2003-present Assistant professor, Department of Linguistics,  
University of Arizona, Tucson
- 2003-present Affiliated faculty member, Program in Cognitive Science,  
University of Arizona, Tucson
- 2003-present Affiliated faculty member, Program in Second Language Acquisition and  
Teaching, University of Arizona, Tucson
- 2003-present Affiliated faculty member, Center for Middle Eastern Studies,  
University of Arizona, Tucson
- 2004-present Affiliated faculty member, Department of Near Eastern Studies,  
University of Arizona, Tucson
- July 2007 Instructor, Linguistics Society of America Summer Institute, Stanford  
University

## Honors and Awards

- 1986-7 Wellness Fellowship, University of California, Berkeley
- 1993-4 Max Planck Fellowship, Max Planck Institut für Biochemie, Martinsried, Germany
- 1994-5 Alexander von Humboldt Fellowship
- 1995 Markey Fellowship, Center for Molecular Biology of RNA, UC Santa Cruz
- 1995 –1998 National Science Foundation/Alfred P. Sloan Foundation Postdoctoral Fellowship in Molecular Evolution
- 1999 University of California Regents Fellowship, Department of Linguistics, UC Santa Cruz
- 2003 Institute for Humanities Research Dissertation Quarter Fellowship, UC Santa Cruz

## Scholarly Works

### Chapters in scholarly books

Wedel, Andrew (2009). Variation, multi-level selection and conflicts between phonological and morphological regularities. In Blevin, J. and Blevins, J., eds., *Analogy in Grammar: Form and Acquisition*. Oxford University Press. pp. 83-100

Wedel, Andrew and Ussishkin, Adam (2009). Lexical Access, Effective Contrast and Patterns in the Lexicon. In Boersma, P. and Hamman, S., eds., *Perception in Phonology*. Mouton de Gruyter.

### Edited textbook

Wedel, Andrew (ed). (1999). *Basic Science in HIV/AIDS: An Update*. Geneva, Switzerland: World Health Organization and UNAIDS.

### Journal articles (peer reviewed)

Wedel, Andrew. (2006). Exemplar models, evolution and language change. *The Linguistic Review* 23: 247-274.

Wedel, Andrew. (2007). Feedback and regularity in the lexicon. *Phonology* 24: 147-185.

Blevins, Juliette and Andrew Wedel (2009). Inhibited Sound Change: An Evolutionary Approach to Lexical Competition. *Diachronica* 26: 143-183

**Conference proceedings papers (peer-reviewed)**

\*Wedel, Andrew. (2003). Self-Organization and the Origin of Higher-Order Phonological Patterns. *Proceedings of the Berkeley Linguistics Society Meeting*, 29: 611-622.

\*Wedel, Andrew. (2004). Category competition drives contrast maintenance within an exemplar-based production/perception loop. In Goldsmith, J. and Wicentowski, R., eds., *Proceedings of the Seventh Meeting of the ACL Special Interest Group in Computational Phonology*, 7: 1-10.

**Conference proceedings papers (not peer-reviewed)**

Wedel, Andrew. (1999). Contrast Preservation in Turkish Emphatic Reduplication. In Ussishkin, A., Herrick, D., Kurisu, K., and Sanders, N., eds., *Phonology at Santa Cruz [PASC]* 6: 83-94.

Wedel, Andrew. (2000). Perceptual Distinctiveness in Turkish Emphatic Reduplication. In Billerey, R. and Lillehaugen, B. D., eds., *Proceedings of the West Coast Conference on Formal Linguistics*, 19: 546-559.

Ussishkin, Adam, and Andrew Wedel. (2002). Neighborhood Density and the Root-Affix Distinction. In Hirotani M., ed., *Proceedings of the Northeastern Linguistics Society* 32: 539-549.

Ussishkin, Adam, and Andrew Wedel. (2003). Gestural Motor Programs and the Nature of Phonotactic Restrictions: Evidence from Loanword Phonology. In Garding, G. and Tsujimura, M., eds., *Proceedings of the West Coast Conference on Formal Linguistics*, 22: 505-518.

**Selected Articles in biology journals**

Wedel, Andrew, David Weiss, David Popham, Peter Droege and Sydney Kustu. (1990). A Bacterial Enhancer Functions to Tether a Transcriptional Enhancer Near a Promoter. *Science* 248: 486-490.

Wedel, Andrew and Sydney Kustu, (1992). The bacterial enhancer-binding protein NTRC is a molecular machine – ATP hydrolysis is coupled to transcriptional activation. *Genes and Development*: 9 (16): 2042-2052.

Wedel, Andrew, Dirk Eick and Herman Heumann. (1994) From Initiation to Elongation: Comparison of Transcription by Prokaryotic and Eukaryotic RNA Polymerases. *Trends in Genetics* 10: 292-296.

Wedel, Andrew, Thomas Meier, Peter Schickor and Herman Heumann (1995). In Vitro Transcription Close to the Melting Point of DNA: Analysis of *Thermotoga maritima* RNA Polymerase-Promoter Complexes at 75 Degrees C Using Chemical Probes. *Nucleic*

*Acids Research* 23: 988-994.

Wedel, Andrew, (1996). Fishing the best pool for novel ribozymes. *Trends in Biotechnology* 14: 459-465.

Wedel, Andrew, Michael Judo and Charles Wilson. (1998). Stimulation and Suppression of PCR-Mediated Recombination. *Nucleic Acids Research* 26: 1819-1825.

## **Grants**

- 2006            Small grant, Social and Behavioral Sciences Research Institute, University of Arizona (Principal Investigator). \$1000, *Turkish Noun Alternation Patterns*.
- 2008            Social and Behavioral Sciences University Research Activity Funding Grant to support a national workshop on Complex Systems and Language. \$4500.00.
- 2009            Interdisciplinary Collaborative Research Grant, Social and Behavioral Sciences Research Institute, University of Arizona (Co-Principal Investigator, with Prof. Norma Mendoza-Denton and Prof. Adam Ussishkin), \$8855.00, *Modeling Intergroup Differentiation: the Sociolinguistics of Arizona Englishes*. (33% effort)