

Amanda M. Lauer
Curriculum Vitae

Home Address

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Work Address

Department of Psychology
University of Maryland
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EDUCATION

- Ph.D.** University of Maryland, College Park, MD, Expected: Spring, 2006
Major: Psychology
Area of Specialization: Integrative Neuroscience
- M.S.** St. Joseph's University, Philadelphia, PA, May, 2000
Major: Psychology
Area of Specialization: Biopsychology
- B.S.** St. Joseph's University, Philadelphia, PA, May, 1999
Major: Psychology

ACADEMIC APPOINTMENTS & EMPLOYMENT

- Doctoral Candidate, Dept. of Psychology, University of Maryland, February 2003-present
- Research Assistant, Army Audiology and Speech Center, Walter Reed Army Medical Center, June-August 2004
- Graduate Fellow, Dept. of Psychology, University of Maryland, September 2000-2002
- Research Assistant, Comparative Psychoacoustics Laboratory, University of Maryland, September 2000-June 2002,
January 2005-present
- Teaching Assistant, Dept. of Psychology, University of Maryland, August 2003-present
- Graduate Assistant, Dept. of Psychology, St. Joseph's University, September 1999-May 2000

RESEARCH EXPERIENCE

- Laboratory of Comparative Psychoacoustics (Dr. Robert J. Dooling), Department of Psychology, University of Maryland, September 2000-Present
- Hearing Science Laboratory (Dr. Marjorie R. Leek), Army Audiology & Speech Center, Walter Reed Army Medical Center, June-August 2004
- Psychoacoustics Laboratory (Dr. Donald Leitner), Department of Psychology, St. Joseph's University, January 1998-May 2000

TEACHING EXPERIENCE

Introductory Psychology, University of Maryland, Teaching Assistant, Fall 2005

Introductory Psychology Honors, University of Maryland, Grading Assistant, Spring 2005

Biological Basis of Behavior, University of Maryland, Teaching Assistant, Spring 2004

Sensation & Perception, University of Maryland, Teaching Assistant, Fall 2003, Fall 2004

Abnormal Psychology, University of Maryland, Teaching Assistant, Fall 2004

Animal Behavior, University of Maryland, Grading Assistant, Spring 2003

Introduction to Psychology, University of Maryland, Teaching Assistant, Spring 2003

Psychology of Gender, St. Joseph's University, Teaching Assistant, Spring 2000

Physiological Psychology, St. Joseph's University, Teaching Assistant, Fall 1999

AWARDS

Ruth L. Kirschstein Individual Predoctoral National Research Service Award (NRSA), 2002-2005

Mentored Student Research Travel Award, American Auditory Society, 2002

Student Travel Award, Meeting of the Association for Research in Otolaryngology, 2002

2nd Place Award for Student Presentation, Graduate Research Interaction Day, University of Maryland 2001

Graduate Fellowship, Department of Psychology, University of Maryland, August 2000-June 2002

Graduate Psychology Award, St. Joseph's University, 2000

Graduate Assistantship, Department of Psychology, St. Joseph's University, 1999-2000

Presidential Scholarship, St. Joseph's University, 1995-1999

PROFESSIONAL AFFILIATIONS

Acoustical Society of America, 2001-Present

Acoustical Society of America, Washington, DC chapter, 2003-2005; secretary, 2005

Association for Research in Otolaryngology, 2001-Present

International Society for Neuroethology, 2001-2004

Sigma Xi, 2001-Present

Psi Chi, 1997-2000

MANUSCRIPT REVIEW

Ear & Hearing

PUBLICATIONS

Abstracts:

- Dooling, R. J., Brittan-Powell, E., Lauer, A. M., Dent, M., & Noirot, I. (2005). The problem of frequency weighting functions and standards for birds. *Acoustical Society of America*, Minneapolis, MN.
- Lauer, A. M., Brittan-Powell, E., Lohr, B., & Dooling, R. J. (2005). Strain differences in auditory sensitivity in canaries bred for song and plumage. *Acoustical Society of America*, Vancouver, BC.
- Brittan-Powell, E., Lauer, A., Callahan, J., Dooling, R., Leek, M., & Gleich, O. (2005). The effect of sweep direction on avian auditory brainstem responses. *Acoustical Society of America*, Vancouver, BC.
- Lauer, A. M., Molis, M., & Leek, M. R. (2005). Discrimination of temporal fine structure by listeners with sensorineural hearing loss. *Association for Research in Otolaryngology*, New Orleans, LA.
- Lauer, A. M., & Dooling, R. J. (2004). Reduced temporal integration in Belgian Waterslager canaries. *Acoustical Society of America*, New York, NY.
- Lauer, A. M., & Dooling, R. J. (2004). Temporal resolution in hearing-impaired Belgian Waterslager canaries. *Association for Research in Otolaryngology*, Daytona, FL.
- Lauer, A. M., & Dooling, R. J. (2003). Processing of complex temporal waveforms in Belgian Waterslager canaries. *1st International Conference on Acoustic Communication by Animals*, College Park, MD.
- Lauer, A. M., Poling, K. R. & Dooling, R. J. (2003). Intensity discrimination as a function of level and frequency in three species of birds. *Acoustical Society of America*, Nashville, TN.
- Lauer, A. M., Poling, K. R. & Dooling, R. J. (2003). Intensity difference limens as a function of frequency and level in hearing-impaired and normal-hearing canaries. *Association for Research in Otolaryngology*, Daytona, FL.
- Brittan-Powell, E. F., Lauer, A. M., Dooling, R. J., & Ryals, B. M. (2003). Far-field neural population responses in Belgian Waterslager. *Association for Research in Otolaryngology*, Daytona, FL.
- Lauer, A. M., & Dooling, R. J. (2002). Frequency selectivity in canaries with a hereditary hearing loss. *Acoustical Society of America*, Pittsburgh, PA.
- Lauer, A.M., Dooling, R. J., Leek, M. R. (2002). Masking by harmonic complexes in normal-hearing and hearing-impaired canaries. *American Auditory Society*, Scottsdale, AZ.
- Lauer, A.M., Dooling, R. J., Leek, M. R., & Lentz, J. J. (2002). Masking by harmonic complexes in the hearing impaired Belgian Waterslager canary. *Association for Research in Otolaryngology*, St. Petersburg, FL.
- Lauer, A.M., Dooling, R. J., Leek, M. R., & Lentz, J. J. (2001). Processing of auditory temporal waveform shape in three species of birds. *6th International Congress of Neuroethology*, Bonn, Germany.
- Lauer, A. M., Dooling, R. J., Leek, M. R., & Lentz, J. J. (2001). Masking by harmonic complexes with different phase spectra in zebra finches. *Acoustical Society of America*, Chicago, IL.
- Lauer, A. M., Hoffman, H. S., & Leitner, D. S. (2000). Reflex modification in elderly adults using gaps in white noise. *Sigma Xi Student Research Symposium*, Philadelphia, PA.
- Lauer, A. M., Hostutler, R., Hoffman, H. S., & Leitner, D. S. (1999). The effects of monaural and binaural prestimuli on the human eyeblink reflex in young and aging adults. *Sigma Xi Student Research Symposium*, Philadelphia, PA.

Research Papers:

- Lohr, B. L., Lauer, A. M., Newman, M. R., & Dooling, R. J. (2004). Hearing in the red-billed firefinch (*Lagonosticta senegala*) and the Spanish timbrado canary (*Serinus canaria*): The influence of natural and artificial selection on auditory abilities and vocal structure. *Bioacoustics*, *14*, 83-98.
- Lauer, A. M., Dooling, R. J., Leek, M. R., and Lentz, J. J. (in press). Phase effects in masking by harmonic complexes in three species of birds. *Journal of the Acoustical Society of America*.
- Lauer, A. M., Molis, M., & Leek, M. R. (in prep). Discrimination of temporal fine structure by listeners with sensorineural hearing loss.
- Lauer, A. M., & Dooling, R. J. (in prep). Spectral resolution and discrimination in the hearing impaired Belgian Waterslager canary.
- Lauer, A. M., Dooling, R. J., Leek, M. R. (in prep). Temporal processing in the hearing impaired Belgian Waterslager canary.
- Lauer, A. M., Poling, K. P., & Dooling, R. J. (in prep). Intensity discrimination in hearing-impaired and normal-hearing canaries.

Book Chapters:

- Dooling, R. J., Dent, M. L., & Lauer, A. M. (in prep). In Salvi, R., Popper, A. N., and Fay, R. R. (eds.) *Springer Handbook of Auditory Research: Regeneration and Repair in the Auditory System*.

REFERENCES

Dr. Robert J. Dooling
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Dr. Marjorie R. Leek
National Center for Rehabilitative Auditory Research
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Dr. Elizabeth Brittan-Powell
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