

## CURRICULUM VITAE

# UnJa L. Hayes

### PRESENT POSITION

**Assistant Professor, Psychology**  
Neuroscience and Behavior Graduate Program  
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### EDUCATION

2005 **Postdoctoral Fellow**, Department of Psychology,  
University of Massachusetts, Amherst, Massachusetts  
2002 **Ph.D., Psychology-Behavioral Neuroscience**  
University of Southern California, Los Angeles, California  
1996 **B.A. with Honors, Psychology**  
Dartmouth College, Hanover, New Hampshire

### APPOINTMENTS

2002-2005 **Postdoctoral Fellow**, Department of Psychology, Univ. of Massachusetts,  
Amherst, MA  
2000-2002 **Research Assistant**, Department of Linguistics, Univ. of Southern  
California, Los Angeles, CA  
1996-2001 **Research Assistant**, Department of Psychology, Univ. of Southern  
California, Los Angeles, CA

### TEACHING EXPERIENCE

2005- **Assistant Professor** Dept. of Psychology, University of Massachusetts,  
Amherst, MA  
*Behavioral Neuroscience* (Undergrad Core Course), *Social Attachment:  
Neurobiology to Interpersonal Stress* (Grad Seminar), *Animal Social  
Behavior* (Undergrad. Seminar), *Pregnancy, Parturition and Postpartum  
Depression* (Grad Seminar), Commonwealth College's *Dean's Book*  
(Undergraduate Seminar)

2005- **Advisor, Senior Thesis**  
University of Massachusetts, Amherst, MA  
Michael Dimarzio (major: Biochemistry). Sequencing of vasopressin and  
oxytocin mRNA of prairie vole (*Microtus ochrogaster*)  
Sharon King (major: Biology). Central oxytocin levels in maternal and  
infanticidal pregnant prairie voles.

2003, 05, 07 **Mentor, Summer Program for Undergraduate Research**  
Northeast Alliance (NEA), University of Massachusetts, Amherst, MA

**PROFESSIONAL SERVICE**

2004- **Faculty Recruiter**, Northeast Alliance for Graduate Education and the Professoriate (NAGEP), University of Massachusetts, Amherst, MA

**Ad hoc Reviewer**, Brain Research, Hormones & Behavior, Behavioural Brain Research, Psychopharmacology, Physiology & Behavior

**AWARDS/FELLOWSHIPS**

2002 Postdoctoral Fellowship, Diversity Program in Neuroscience, American Psychological Association

2002 Postdoctoral Training Fellowship, Training in Neuroendocrinology

2001 Predoctoral Training Fellowship, Training in Endocrinology and Neurobiology of Aging

2001 Neuroscience Scholar, Society for Neuroscience

2001 F. J. McGuigan Award (Inaugural), University of Southern California, Dept. of Psychology

**PUBLICATIONS****Peer Reviewed Journal Article:**

- Hayes, UL & de Vries, GJ.** (Submitted). Role of labor on the induction of maternal behavior in infanticidal female prairie voles. *Behavioral Neuroscience*.
- Amit, A, Aronoff, JM, MacDonald, MC, Gonnerman, LM, Kempler, D, Hintiryan, H, **Hayes, UL**, Arunachalam, S, Andersen, ES. (In Revision). A Common Mechanism in Verb and Noun Naming Deficits in Alzheimer's Patients. *Brain and Language*.
- Hayes, UL & de Vries, GJ** (2007). Effects of pregnancy and parturition on the induction of maternal behavior in infanticidal, female prairie voles (*Microtus ochrogaster*). *Hormones & Behavior*. 51, 265-72.
- Hintiryan, H, **Hayes, UL**, & Chambers, KC (2006). Intraoral cheek fistula: Refined technique. *Laboratory Animals*, 40, 456-64.
- Hayes, UL & Chambers, KC** (2005). High doses of vasopressin delay the onset of extinction and strengthen acquisition of LiCl-induced conditioned taste avoidance. *Physiology & Behavior*, 84(4), 625-33.
- Hayes, UL & Chambers, KC** (2005). Peripheral vasopressin accelerates extinction of conditioned taste avoidance. *Physiology & Behavior*, 84(1), 147-156.
- Hintiryan, H, **Hayes, UL**, & Chambers, KC (2005). The role of histamine in estradiol-induced conditioned consumption reductions. *Physiology & Behavior*, 84(1), 117-128.
- Hayes, UL & Chambers, KC** (2002). Central infusion of vasopressin in male rats accelerates extinction of conditioned taste avoidance induced by LiCl. *Brain Research Bulletin*, 57(5), 727-733.
- Chambers, KC & **Hayes, UL** (2002). Exposure to estradiol before acquisition of LiCl-induced conditioned taste aversion accelerates extinction. *Hormones and Behavior*, 41, 297-305.

**Book Chapter:**

Chambers, KC & **Hayes, UL** (2005). The role of vasopressin in behaviours associated with aversive stimuli. In: Steckler T, Reul H, Kalin N. (eds.), *Handbook of Stress and the Brain, Part I: The Neurobiology of Stress*. Amsterdam: Elsevier Science; 2005. pp. 231-261.

**Sequencing Submission:**

**Hayes, UL**, DiMarzio, MJ, & de Vries, G. (Dec 2005). *Microtus ochrogaster* arginine vasopressin mRNA, complete cds. GenBank. Accession No. DQ269208.

**Selected Abstracts:**

Yamamoto, M, Hakim, S, & **Hayes, UL**. 2007. Oxytocin receptor expression in maternal and infanticidal prairie voles across reproductive status. Society for Behavioral Neuroendocrinology 11<sup>th</sup> Annual Meeting. #P3.14.

King, S. & **Hayes, UL**. 2007. The effect of reproductive experience on central oxytocin levels in female prairie voles (*Microtus ochrogaster*). Society for Neuroscience 37<sup>th</sup> Annual Meeting. #309.17.

**Manuscript in Preparation:**

Hakim, S, Yamamoto, M & **Hayes, UL**. Oxytocin receptor expression in maternal and infanticidal prairie voles (*Microtus ochrogaster*) across reproductive status.

**INVITED TALKS/PRESENTATIONS**

- ❖ *The Effect of Reproductive Experience on the Neurobiology of Parental Behavior*. Department of Biology, University of Akron, Akron, OH. April 23, 2007.
- ❖ *The Making of a Mother: The Role of Pregnancy and Parturition in Maternal Behaviors in Female Prairie Voles*. Department of Biology, University of Memphis, Memphis, TN. March 1, 2007.
- ❖ *Pregnancy, Parturition & Maternal Behaviors*. Summer School in Behavioral Neuroendocrinology, Michigan State University, East Lansing, MI. June 6, 2006 and June 4, 2007.
- ❖ *Neurobiology of Parental Behavior*. Department of Psychology, University of Massachusetts, Amherst, MA. May 23, 2005.

## REFERENCES

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