

# Sarah L Stuebing

Bluemont Hall 541  
Kansas State University  
Manhattan, KS 66506  
sstuebing@vet.ksu.edu

## Education

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### **Doctor of Veterinary Medicine, Kansas State University, Manhattan, KS 2014-present**

- Dual Degree (DVM/PhD) Scholarship recipient
- T-32 BRITE Program Grant recipient

### **Doctor of Philosophy in Psychology, Kansas State University, Manhattan, KS 2014-present**

- Graduate student in Reward, Timing and Decision Laboratory
- Research Assistant, May – August 2015, Fall 2016 - present

### **Bachelor of Sciences in Biology, Northern Illinois University, DeKalb, IL 2010- 2014**

- Minors in Chemistry and Spanish
- Graduated with University Honors and Departmental (Biology) Honors
- Summa Cum Laude Degree Honors

## Publications

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**Stuebing, S. L.**, Marshall, A., Triplett, A., & Kirkpatrick, K. (In prep). Females in the forefront: Time-based intervention effects on impulsive choice and interval timing in female rats.

**Stuebing, S. L.**, and K. Kirkpatrick. (In prep). Assessing the what, when, and where components of episodic-like memory in a novel open-field task.

Steele, C., Peterson, J., Marshall, A., **Stuebing, S. L.**, & Kirkpatrick, K. (2017). Nucleus accumbens core lesions induce sub-optimal choice and reduce sensitivity to magnitude and delay in impulsive choice tasks. *Behavioural Brain Research*, under review.

Blankenship, P., **Stuebing, S. L.**, Winter, S., Cheatwood, J., Benson, J., Whishaw, I., Wallace, D. (2016). The medial frontal cortex contributes to but does not organize rat exploratory behavior. *Neuroscience*, 336, 1-11.

Köppen, J., **Stuebing, S. L.**, Sieg, M., Blackwell, A., Blankenship, P., Cheatwood, J., & Wallace, D. (2016). Cholinergic deafferentation of the hippocampus causes non-temporally graded retrograde amnesia in an odor discrimination task. *Behavioural Brain Research*, 299, 97-104.

Peterson, J., Hill, C., Marshall, A., **Stuebing, S. L.**, & Kirkpatrick, K. (2015). I Can't Wait: Methods for Measuring and Moderating Individual Differences in Impulsive Choice. *Journal of Agricultural & Food Industrial Organization*.

Köppen, J., Blankenship, P., Blackwell, A., Winter, S., **Stuebing, S. L.**, Matuszewich, L., Wallace, D.G. (2015). Comparison of direction and distance estimation across spatial tasks: Absence of sexually dimorphic self-movement cues processing. *Learning and Motivation*. 51, 11-24.

Köppen, J., Winter, S., **Stuebing, S. L.**, Cheatwood, J., & Wallace, D. (2012). Infusion of GAT1-saporin into the medial septum/vertical limb of the diagonal band disrupts self-movement cue processing and spares mnemonic function. *Brain Structure and Function Brain Struct Funct*, 1099-1114.

## **Grants and Scholarships**

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**NRSA T-32 Grant Recipient and KSU BRITE Program Scholar, 2015-2016** – a \$39,755 NIH grant funding graduate work of a DVM/PhD student for one year.

**KSU DVM/PhD Scholarship, 2014-2020** – a scholarship from the Kansas State College of Veterinary Medicine for all of the veterinary school tuition, approximately \$50,000 per year.

## **Research and Mentoring Experience**

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- **Neuroscience and Animal Behavior, Graduate Student, Kansas State University, 2014-present**  
Graduate student in the Reward, Timing, and Decision lab of Kimberly Kirkpatrick. Research focuses on disentangling the mechanisms involved in decision making process. Current graduate work focuses on better understanding episodic memory decline in aging.

- **Research mentor, Mentor Matching Engine, 2014-present**  
Research mentor to a high school student conducting his/her own research project. This program is run through the Illinois Math and Science Academy, the Illinois Science and Technology Institute, and the R&D STEM Learning Exchange, and works to connect students with research support from academics in the field.
- **Neuroscience and Animal Behavior, Research Assistant, NIU, 2011-2013**
- **Anthropology and Primate Rehabilitation, Independent Research, Summer 2012**
- **Biology, Kinesiology, and Equine Gait Analysis, Independent Research, 2010-2011**

## **Posters and Presentations**

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Bailey, C., Marshall, A. T., Peterson, J. R., Schnegelsiepen, A., **Stuebing, S. L.**, & Kirkpatrick, K. (2017). *Generalizability of a fixed-interval intervention effects on impulsive choice in rats*. Society for the Quantitative Analyses of Behavior, Denver, CO.

Binkley, C. M., **Stuebing, S. L.**, Peterson, J. R., Critcher, B., Davis, I. R., Koehn, P., & Kirkpatrick, K. (2017). *Fading in and out of time: Interventions to promote self-control*. Society for the Quantitative Analyses of Behavior, Denver, CO.

**Stuebing, S. L.**, & Kirkpatrick, K. (2016). *A novel open-field task for the analysis of episodic-like memory and its substituents*. Society for Neuroscience, San Diego, CA.

**Stuebing, S. L.**, & Kirkpatrick, K. (2016). *A novel open-field task for the analysis of episodic memory components*. Phi Zeta Research Day, Kansas State University College of Veterinary Medicine, Manhattan, KS.

- Phi Zeta Research Day, Oral presentation. Kansas State University College of Veterinary Medicine, Manhattan, KS. March 1, 2016.
  - 3<sup>rd</sup> place presentation in the Basic Sciences category
- Kansas State University Department of Psychological Sciences First Year Presentations, Oral presentation. Manhattan, KS. November 30, 2015.

Marshall, A., **Stuebing, S. L.**, Triplett, A., & Kirkpatrick, K. (2015). *Females in the forefront: The effects of a temporal intervention on impulsive choice in Sprague Dawley rats*. Society for Neuroscience, Chicago, IL.

- Kansas State University Department of Psychological Sciences Graduate Research Convocation, Poster presentation. Manhattan, KS. December 2, 2015.

**Stuebing, S. L.**, Marshall, A., Triplett, A., & Kirkpatrick, K. (2015). *Exploring the gender gap: individual differences in impulsive choice and timing in female rats*. Comparative Cognition Society, Chicago, IL.

Excite summer workshop presentation. Office for the Advancement of Women in Science and Engineering, Kansas State University, Manhattan, KS. June 3, 2015.

### **Organizations and Activities**

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Society for Neuroscience graduate student member, 2015 – present

KSU Graduate Association of Psychology students member, 2015-present

KSU Pathology Club member, 2014 – present

KSU Public Health Club member, 2014 – present

KSU Equine Club member, 2014 – present

Certified Canine and Equine Massage Therapist, 2010 - present