

# LAUREN A. BANKER

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## EDUCATION

### University of Florida

*Aug 2017 –*

Doctoral Student

Biobehavioral Science — Motor Learning and Control

Dept. Applied Physiology and Kinesiology, College of Health and Human Performance

### New York University

*Jan 2016*

B.S. Applied Psychology, Minor in Web Programming and Applications

Steinhardt School of Culture, Education, and Human Development

## HONORS AND AWARDS

### University of Florida

Graduate Student Council (GSC) Travel Grant

*Dec 2018*

*University of Florida Graduate Student Council (GSC)*

*Grant Funding: \$350*

Alpha Epsilon Lambda

*Oct 2018*

*National Graduate Honor Society*

*Membership awarded to top 1% of graduate population of a campus per year*

Norma Leavitt Scholarship — College of Health and Human Performance

*Sep 2018*

*Scholarship Funding: \$2,000*

Graduate School Funding Award (GSFA) — College of Health and Human Performance

*Aug 2017 –*

*Awarded to High Potential PhD Applicants (1 of only 4 Awardees)*

### New York University

Magna Cum Laude

*Jan 2016*

Founder's Day Award

*Jan 2016*

Psi Chi - NYU Chapter

*May 2014 – Jan 2016*

*International Honor Society of Psychology*

Dean's List	<i>May 2013 – Jan 2016</i>
Dean's Undergraduate Research Fund Grant (DURF) (Declined) <i>\$1000 Award towards Research Proposal</i>	<i>Nov 2014</i>
Peter Bergmann Research Scholar Award (Declined) <i>Prestigious Award for Most Impressive Grant Submission</i>	<i>Nov 2014</i>

## RESEARCH POSITIONS

<b>Doctoral Student</b> University of Florida Neuromotor Behavior Lab Gainesville, FL Advisor: Rachael D. Seidler, Ph.D.	<i>Aug 2017 –</i>
<b>Post-Baccalaureate Intramural Research Training Award (IRTA)</b> National Institutes of Health (NIH) National Center for Complementary and Integrative Health (NCCIH) Section on Affective Neuroscience and Pain (ANP) Lab Bethesda, MD Advisor: Lauren Y. Atlas, Ph.D.	<i>Feb 2016 – Jun 2017</i>
<b>Undergraduate Research Assistant</b> New York University Curtis Lab New York, NY Advisor: Clayton E. Curtis, Ph.D.	<i>Jan 2014 – Dec 2015</i>
<b>Research Assistant — Summer Internship Program (SIP) Fellow</b> National Institutes of Health (NIH) National Center for Complementary and Integrative Health (NCCIH) Section on Affective Neuroscience and Pain (ANP Lab) Bethesda, MD Advisor: Lauren Y. Atlas, Ph.D.	<i>May 2015 – Aug 2015</i>
<b>Undergraduate Research Assistant</b> New York University Teacher Instructional Practices and Processes System (TIPPS) New York, NY	<i>Sep 2013 – Dec 2013</i>
<b>Intern</b> Loudoun County Public Schools Loudoun, VA Advisor: Sonya T. Lanier, Ph.D.	<i>Jun 2011 – Aug 2011</i>

## PUBLICATIONS

Mischkowski, D., Palacios-Barrios, E. E., **Banker, L.**, Dildine, T. C., & Atlas, L. Y. (2018) Pain or nociception? Subjective experience mediates the effect of acute noxious heat on autonomic responses. *Pain*. 159(4), 699-711.

**Banker, L. A.** (2015). The effectiveness of music therapy in treating symptoms of Alzheimer's disease. *NYU Applied Psychology Online Publication of Undergraduate Studies (OPUS)*.

## PRESENTATIONS

**Banker, L. A.**, Lee, J. K., Gadd, N., Kofman, I. S., De Dios, Y. E., Bloomberg, J. J., Mulavara, A. P., & Seidler, R. D. (2019). Sensorimotor adaptation changes during elevated CO<sub>2</sub> head-down tilt bedrest. Poster presented at NASA Human Research Program Investigators' Workshop (HRP IWS), Galveston, TX, January 2019.

**Banker, L. A.**, Bennett, K. A., Koppelmans, V., Riascos-Castaneda, R. F., Gadd, N. E., Kofman, I., De Dios, Y. E., Bloomberg, J. J., Mulavara, A. P., & Seidler, R. D. (2018). Neural and behavioral sensorimotor adaptation changes in astronauts during spaceflight. Poster presented at the Society for the Neural Control of Movement meeting, Santa Fe, NM, May 2018.

Dildine, T. C., Mischkowski, D., **Banker, L. A.**, Palacios-Barrios, E. E., Olsson, A., & Atlas, L. Y. (2018). How race and sex influence physiological and subjective responses to aversive stimulation. Poster presented at the Social and Affective Neuroscience (SANS) meeting, Brooklyn, NY, May 2018.

Necka, E. A., Palacios-Barros, E. E., Dildine, T. C., **Banker, L. A.**, & Atlas, L. Y. (2018). Parasympathetic cardiac control is associated with pain reversal learning. Poster presented at the Social and Affective Neuroscience (SANS) meeting, Brooklyn, NY, May 2018.

Mischkowski, D., Dildine, T. C., Palacios-Barrios, E., **Banker, L.**, & Atlas, L. Y. (2017). Trait mindfulness is related to retrospective but not current pain. Poster presented at the Social and Affective Neuroscience (SANS) meeting, Los Angeles, CA, March 2017.

Stavish, C., Mischkowski, D., **Banker, L.**, Palacios-Barrios, E., & Atlas, L. (2016). The effect of mindful attention on pain perception. Poster presented at Summer Poster Day, National Institutes of Health, Bethesda, MD, July, 2016.

**Banker, L.**, Dildine, T., Palacios-Barrios, E., Mischkowski, D., & Atlas, L. Y. (2016). Autonomic responses to acute noxious stimulation. Poster presented at Postbac Poster Day, National Institutes of Health, Bethesda, MD, April 2016.

**Banker, L.**, Dildine, T., Palacios-Barrios, E., Mischkowski, D., & Atlas, L. Y. (2016). Autonomic responses to thermal noxious stimulation. Poster presented at the Division of Intramural Research (DIR) Training Day, National Center for Complementary and Integrative Health, National Institutes of Health, Bethesda, MD, April 2016.

Palacios-Barrios, E., Dildine, T., **Banker, L.**, Mischkowski, D., & Atlas L. (2016). Does anxiety affect responses to painful stimuli in a learning task? Poster presented at Postbac Poster Day, National Institutes of Health, Bethesda, MD, April 2016.

Mischkowski, D., Dildine, T., Palacios-Barrios, E., **Banker, L.**, & Atlas L. (2016). Autonomic arousal mediates the effect of stimulus intensity on pain. Poster presented at the Social and Affective Neuroscience (SANS) meeting, New York University, New York, NY, April 2016.

Dildine, T., Palacios-Barrios, E., **Banker, L.**, Mischkowski, D., & Atlas L. (2016). The role of uncertainty in the perception of pain. Poster presented at the Social and Affective Neuroscience (SANS) meeting, New York University, New York, NY, April 2016.

**Banker, L.**, Dildine, T., & Atlas, L. (2015). Pupillary responses to thermal pain stimulation in healthy volunteers. Poster presented at New York University's Department of Applied Psychology's Psych Café – Psychology Seminar Series, New York University, New York, NY, September 2015.

**Banker, L.**, Dildine, T., & Atlas, L. (2015). The relation between heat pain and pupillary responses in healthy volunteers. Poster presented at Summer Poster Day, National Institutes of Health, Bethesda, MD, August, 2015.

## PROFESSIONAL MEMBERSHIPS

North Central Florida Chapter of the Society for Neuroscience (SfN)	<i>Nov 2018 –</i>
Society for the Neural Control of Movement	<i>Sep 2017 –</i>
American Association of University Women (AAUW), Gainesville Branch	<i>Aug 2017 –</i>
Women in Science and Engineering (WiSE), Gainesville Chapter	<i>Sep 2017 –</i>
American Association of University Women (AAUW), Reston – Herndon Branch	<i>Sep 2016 – Jul 2017</i>

## MENTORSHIP

AJ Kerwin, University of Florida, Undergraduate Research Assistant	<i>Sep 2017 –</i>
Aditya Mahadevan, University of Florida, Undergraduate Research Assistant	<i>Sep 2017 –</i>
Caitlin Stavish, National Institutes of Health Summer Intern	<i>May 2016 – Aug 2016</i>
Carlos Melendez, National Institutes of Health High School Scientific Training and Enrichment Program (HiSTEP) Volunteer	<i>May 2016 – Aug 2016</i>

## SERVICE / OUTREACH

<u>American Association of University Women (AAUW)</u>	
Tech Trek Summer Camp Counselor	<i>Jun 2018</i>
Paula Young Shelton Civil Rights Seminar, Assistant Planner / Attendee	<i>Apr 2017</i>

University of Florida

National Biomechanics Day Volunteer *Apr 2018*  
Women in Science and Engineering (WiSE) Spring Camp Volunteer *Mar 2018*  
North Central Florida SfN Chapter Brain Awareness Week Volunteer *Mar 2018*

National Institutes of Health

High School Scientific Training and Enrichment Program *May 2016 – Aug 2016*  
(HiSTEP) Mentor

New York University

Brain Awareness Week Volunteer *Mar 2015*