

# Victoria Ivanova Hones

3921 W Stevens Way • Seattle, WA 98105  
honesvic@uw.edu

## RESEARCH INTERESTS

---

Interest in understanding the underlying neural circuitry behind cognition, learning and memory, and decision making that are involved in psychiatric disorders such as depression and Alzheimer's disease.

## EDUCATION

---

<b>University of Washington</b> <i>Doctor of Philosophy in Psychology</i>	Seattle, WA Expected: 2025
<b>Seattle University</b> <i>Bachelor of Arts Degree in Psychology</i>	Seattle, WA June 2018
<b>Bellevue College</b> <i>Associate of Arts Degree</i>	Bellevue, WA June 2016

## RESEARCH EXPERIENCE

---

<b>Mizumori Laboratory, University of Washington</b> <i>Lab Technician</i>	Seattle, WA August 2018 – September 2020
<ul style="list-style-type: none"><li>▪ Conduct optogenetic experiments on the neurophysiology of rodent memory</li><li>▪ Build electronic devices that are used for neural recordings in awake behaving rodents</li><li>▪ Use microscopy to confirm placement and viral expression within different brain structures</li><li>▪ Histological preparation of brain tissue for microscopic analysis</li><li>▪ Perform viral surgeries and perfusions</li></ul>	

<b>HARC Laboratory, DePaul University</b> <i>Research Assistant</i>	Chicago, IL June 2017 – March 2020
<ul style="list-style-type: none"><li>▪ Conduct weekly interviews with individuals who are chronically homeless and have persistent mental illness or substance use disorders to compare their housing placement to their life satisfaction</li><li>▪ Collaborate with supervisors and research assistants in constructing effective design and administration of measures in order to achieve the study's objectives</li><li>▪ Maintain awareness of participant's vulnerability and disability while holding a neutral disposition during the study</li></ul>	

## PUBLICATIONS

---

- Hones, V. I., & Mizumori, S. J. Y. (2022). [Response flexibility: The role of the lateral habenula](#). *Frontiers in Behavioral Neuroscience*. [in press]
- Cummings, C., Lei, Q., Hochberg, L., Hones, V. I. (2022). Social Support and Networks Among People Experiencing Chronic Homelessness: A Systematic Review. *American Journal of Orthopsychiatry*. [in press]
- American Journal of Orthopsychiatry
- Kidder K. S., Miles, J. T., Baker P. M., Hones, V. I., Gire, D. H., Mizumori, S. J. Y. (2021). [A selective role for the mPFC during choice and deliberation, but not spatial memory retention over short delays](#). *Hippocampus*. [in press] PMID: 33507595

## PUBLICATIONS (in preparation)

---

## RESEARCH PROJECTS IN PROGRESS

---

**Study 1:** This study determines the impact on memory performance before and after disruption of the communication between the medial prefrontal cortex and lateral habenula using designer receptors exclusively activated by designer drugs

**Study 2:** This study explores the baseline and psilocybin-induced neural activity in the lateral habenula using calcium imaging in freely behaving rodents

## TEACHING EXPERIENCE

---

Neuroscience of The Mind, **Teaching Assistant**, University of Washington, 2021 & 2022

Biopsychology, **Teaching Assistant**, University of Washington, 2021

Introduction to Psychology, **Teaching Assistant**, University of Washington, 2021

## POSTER PRESENTATIONS AT SCIENTIFIC MEETINGS

---

Kidder, K., Miles, J., Baker, P., Hones, V., Gire, D., & Mizumori, S. (2021, January). *A Selective Role For The mPFC During Choice and Deliberation, But Not Spatial Memory Retention Over Short Delays*. Neurobiology of Learning & Memory, Park City, UT. Online.

Torres, M., Hones, V. (2020). *Disruption of Medial Prefrontal Cortex Induces Epoch Specific Deficits in Spatial Delayed Alternation Performance*. [Abstract]. SACNAS 2020, online.

Kidder, K., Miles, J., Zhang, S., Ivanova, V., & Mizumori, S. (2019, July). *mPFC Disruption Alters Hippocampal-Dependent Deliberative Behavior*. Neurofutures Conference, Portland, OR.

## EDITORIAL SERVICE

---

### eNeuro

Reviewer

November 2020

### Learning & Memory

Reviewer

December 2020

## COMMUNITY SERVICE

---

### Brain Awareness Week Open House, University of Washington

Neuroscience outreach for kids

Seattle, WA

March 2019

### Outdoor Meal Site, AOK Friends

Volunteer feeding the homeless

Seattle, WA

June 2017 – August 2018

### Multicare Medical Center

Volunteer at the Oncology Center

Auburn, WA

April - July 2017

## SKILLS

---

- Handling and care of rodents
- Optogenetic assembly and techniques
- Rodent surgeries (perfusion, viral, Implant)
- Electrophysiological and calcium recordings
- Histological preparation
- Use of fluorescent microscope

- Micro-drive assembly

- Learning Python and MATLAB