

Martina Krisztina Hollearn, PhD

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SUMMARY

NSF GRFP awarded neuroscientist with expertise neurobiology of aging, emotions, memory, and human anatomy, and epilepsy, seeking to apply her grant writing, scientific communication, teaching and project management skills in education and grant development. My extensive extracullicular leadership activities alongside my graduate training provide an outstanding foundation for overseeing grants and acquiring funds from donors. My skill set includes cross-disciplinary collaboration with medical teams, protocol development, and translation of advanced scientific ideas to digestible, inspiring bits for all communities.

EDUCATION

University of Utah - PhD, Department of Psychology, Cognition and Neural Sciences	Aug 2021 - Aug 2026
California State University, Long Beach – Bachelor of Arts in Psychology	Aug 2016 - May 2019
Long Beach City College - Associate of Arts in Psychology	Aug 2013 - May 2016

RELEVANT RESEARCH EXPERIENCE

University of Utah | *Graduate student* Aug 2021 - Aug 2026

- Investigated the behavioral and neural factors that explain variability in memory outcomes following direct electrical stimulation of the human amygdala in patients with epilepsy.
- Collected and analyzed intracranial human data using Blackrock Neurotech systems and Responsive NeuroStimulation (RNS) devices.
- Built lab infrastructure and protocols as the advisor's first graduate student; trained and mentored every subsequent student in the lab.
- Authored multiple peer-reviewed publications and conference presentations; led departmental community outreach programming for five years.

University of California, Irvine | *Research Staff and Coordinator* Sept 2018 - Aug 2021

- Recruited, screened, and tested adults aged 55 - 104, including participants with mild cognitive impairment, early Alzheimer's disease, and Down syndrome.
- Administered neuropsychological and cognitive batteries and collected MRI, blood, and saliva data.
- Performed volumetric MRI analyses and developed expertise in medial temporal lobe anatomy.
- Collaborated with Drs. Claudia Kawas and Maria Corrada on post-mortem pathological correlates of dementia and their relationship to neuropsychological and neuroimaging measures.

Yale School of Medicine | *Paid Summer Intern* May 2018 - Aug 2018

- Studied anxiety in newborn and adolescent mouse models using perfusion, brain extraction, sectioning, immunostaining, and confocal microscopy to assess pre- and post-synaptic protein co-localization.

University of California, Irvine | *Volunteer Research Assistant* Dec 2017 - Aug 2018

- Performed stereotaxic neurotracer injections in anesthetized adolescent mice and ran behavioral stress paradigms to support retrograde tracing of long-range circuits in a newly established lab.

RELEVANT SKILLS

- Non-technical: grant and technical writing, mentorship, organization, patient care, public speaking
- Technical: MRI operator, Freesurfer, brain anatomy, Microsoft Office, Python, R, data wrangling