

## EDUCATION

**University of Maryland, College Park, College Park, MD** Aug. 2018-Present  
PhD in Physics

**Vassar College, Poughkeepsie, NY** May 2018  
Bachelor of Arts in Physics, Math Minor  
Expected GPA: 3.73/4.00

## EXPERIENCE

**Graduate Research Assistant, IPST, UMD, College Park, MD** Jun. 2019 – Present

- General project: *Role of actin in primary neocortical astrocytes.*
- Advisor: Dr. Wolfgang Losert.
- Maintains fellow membership in COMBINE program (<https://www.combine.umd.edu/>).

**Repperger Research Intern, AFRL, Fort Sam Houston, TX** Jun. 2021 – Aug. 2021

- Advised by Dr. Ibtissam Echchgadda

**Graduate Research Assistant, JQI, UMD, College Park, MD** Jun. 2018 – Jun. 2019

- Worked on ultracold strontium experiments.
- Advised by Dr. Gretchen Campbell.

## ACTIVITIES

### Conferences:

**Presenter, International Astrocyte School 2021** Apr. 2021  
*Structural actin analysis in primary rat cortical astrocytes predicts culturing nanotopography*

**Presenter, APS March Meeting 2021** Mar. 2021  
*Structural actin analysis in primary rat cortical astrocytes predicts culturing nanotopography*

**Presenter, FENS 2020** Jul. 2020  
*Quantifying actin structure and dynamics in primary astrocytes*

**Presenter, NSF REU Symposium** Oct. 2017

## AWARDS

**Award, Ethel Hickox Pollard Memorial Physics Award, Vassar College** May. 2017

**Attendee, Univ. of Arizona Optics and Photonics Winter School and Workshop** Jan. 2017

## SKILLS

**Computer:** MATLAB, Python, LaTeX, Java, Arduino