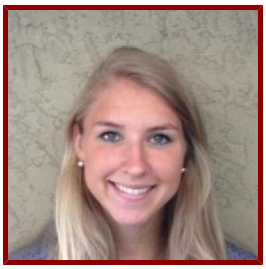
Stanford



Kiah Hardcastle

Senior Research Scientist-Basic Life, Ophthalmology Research/Clinical Trials

Bio

ACADEMIC APPOINTMENTS

- Senior Research Scientist-Basic Life, Ophthalmology Research/Clinical Trials

HONORS AND AWARDS

- Graduate Student Winning Paper, Sammy Kuo Awards (October 1st, 2015)

PROFESSIONAL EDUCATION

- B.S., College of William and Mary , Mathematics, Neuroscience (2013)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

How single cell activity interacts with network connectivity to give rise to the neural circuit dynamics and network coding properties that underlie behavior.

Publications

PUBLICATIONS

- **Environmental Boundaries as an Error Correction Mechanism for Grid Cells** *NEURON*
  Hardcastle, K., Ganguli, S., Giocomo, L. M.
  2015; 86 (3): 827-839

- **Marr's Levels Revisited: Understanding How Brains Break** *TOPICS IN COGNITIVE SCIENCE*
  Hardcastle, V. G., Hardcastle, K.
  2015; 7 (2): 259-273