

The UC Santa Barbara Department of Physics Presents:

THE SIXTH ANNUAL WORSTER RESEARCH SYMPOSIUM

Friday, November 18, 2016

2:00-5:00 PM

1640 Broida Hall

Made possible by a generous gift from the Worster family, the Symposium **showcases the achievements of six Undergraduate-Graduate student teams** who conducted research in Physics during Summer 2016.

- 2:00 ***Introduction***
 Nathaniel Craig and Donald Marolf
- 2:05 ***Optical Follow-Up of Gravitational Waves***
 David Guevel and Griffin Hosseinzadeh (Andy Howell)
- 2:30 ***Tracking DNA Polymerase Motion with Single-Molecule Optical Encoders***
 Sean Hare and Bill Flaherty (Everett Lipman)
- 2:55 ***Subdiffraction Acoustics with Diffusion-Limited Aggregates***
 Morgan Brubaker and Kevin Singh (David Weld)
- 3:20 ***Refreshments***
- 3:45 ***Designing Diamond AFM Tips for Nanoscale Imaging of Room Temperature Magnetic Skyrmions***
 Chris Reetz and Alec Jenkins (Ania Jayich)
- 4:10 ***Streamline Classification in Human Structural Brain Imaging Data***
 Daniela Koch and Joshua Mueller (Jean Carlson)
- 4:35 ***Gas Inflows and Outflows in Ultra-Luminous Infrared Galaxies at $z \sim 0.1$***
 Yi Guo and Stephanie Ho (Crystal Martin)