



2019 Hauber Fellows

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Logistic regression and estimating team strength coefficients for major league baseball

Hauber Fellow: Haley Finley
Faculty Mentor: Richard Auer, Math & Stats

Measuring and Modeling the Temperature Dependence of Optical Absorptions in Thulium-doped Materials

Hauber Fellow: Kenneth Marcelino and Emily Garzon
Faculty Mentor: Joe Ganem, Physics

Effects of green and black tea on neutrophil phagocytosis, killing, and NET formation

Hauber Fellow: Alyssa Hubal
Faculty Mentor: Christopher Thompson, Biology

Immune activity of black tea following simulated digestion of murine macrophages

Hauber Fellow: Kathryn Lackey
Faculty Mentors: Christopher Thompson, Biology

Re-measuring Photoelectric Work Functions of Ni(111) and Pd(111)

Hauber Fellow: Ethan Mullen
Faculty Mentor: Greg Derry, Physics

Testing Corner Cases in Machine Learning

Hauber Fellow: Victoria Matos
Faculty Mentor: Dave Binkley & M Raunak, Computer Science

Segmented Testing of Machine Learning Models

Hauber Fellow: Jacob Norris
Faculty Mentor: Dave Binkley & Raunak, Computer Science



Understanding Phytoene Desaturase Kinetics for Sustainable Biofuel Commercialization

Hauber Fellow: Marissa Lesky

Faculty Mentor: Brian Barr, Chemistry

Project supported by Grace

Loyola Motorsports BAJA SAE Race Team

Hauber Fellow: Gabriele Garofalo

Faculty Mentor: Yanko Kranov, Engineering

Supported by Whiting Turner

Home Based Wrist Rehabilitation Device

Hauber Fellow: Whitney Kopp

Faculty Mentor: Suzanne Keilson, Engineering

Supported by Whiting Turner

Increased Patient Engagement through Employment and Education Connections: A Study of Women's Health Outreach Baltimore Resource Requests at Mercy Medical Center, 2014–2019

Hauber Fellow: Colin Ness

Co-presenting with Abigail McLaughlin (Kolvenbach Fellow)

Faculty Mentor: Rebecca Brogan, Maiju Lehmijoki-Gardner, Biology

Investigation of nitrilase enzymes in chemoenzymatic tandem reactions

Hauber Fellow: Jennifer Valencia

Faculty Mentor: Courtney Hastings, Chemistry

The Effect of Glyphosate on the Reuptake of Heavy Metals in Soils

Hauber Fellow: Marin Wiltse

Faculty Mentors: Elizabeth Dahl, Chemistry

Casimir Effect from a Lorentz-Violating Scalar Field with a Magnetic Field

Hauber Fellow: Collin Habig

Faculty Mentor: Andrea Erdas, Physics