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2026 HAUBER FELLOWS

Data-Driven Insights for Athletic Performance and Strategy: Time-Series Analysis of Loyola Men's Soccer

Hauber Fellow: Luc Alliaume

Hauber Mentor: Dr. Bu Hyoung Lee

How do Atmospheric Circulation Patterns Impact Measured Pollution Levels Across Puerto Rico?

Hauber Fellow: Estefania Berio

Hauber Mentor: Dr. Charlotte Connolly

Differential Regulation of Arc by 17β -estradiol and Estrone: Implications for Postmenopausal Cognitive Health

Hauber Fellow: Madalen Boas

Hauber Mentor: Dr. Craig Myrum

Developing Quantum Optimization Modules: Applying QAOA to Max-Cut and Traveling Salesman Problems for Undergraduate Curricula

Hauber Fellow: Peter Bohacek

Hauber Mentor: Dr. Mary Lowe

Optical Absorption Spectroscopy in Rare-Earth-Doped Crystals

Hauber Fellow: Thomas Fenner

Hauber Mentor: Dr. Joseph Ganem

Do Soil and Cherry Fungal Communities Predict Flavor on Coffee Farms?

Hauber Fellow: Nathan Godwin

Hauber Mentor: Dr. Steve Kutos



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Linking Microbiomes and Soil Health to Grazing Pasture Management Practices in Northern Virginia

Hauber Fellow: Henry Good

Hauber Mentor: Dr. Steve Kutos

Differential Regulation of Arc by 17 β -estradiol and Estrone: Implications for Postmenopausal Cognitive Health

Hauber Fellow: Gregory Hrica

Hauber Mentor: Dr. Craig Myrum

Transcriptional Consequences of Ivospemin

Hauber Fellow: Shudan Jew

Hauber Mentor: Dr. Cassandra Holbert

Interpretable Shapelet-Based Multivariate Time Series Classification

Hauber Fellow: Gigi Li

Hauber Mentors: Drs. Nguyen Ho and Henrique Rocha

Angle Encoding in Quantum Machine Learning

Hauber Fellow: Matthew Mulhern

Hauber Mentor: Dr. David Hoe

Natural vs. Artificial: A Comparative SPME-GC/MS Investigation of Volatile Aroma Profiles in Fresh Mango and Mango-Flavored Confectionery with Synthetic Reconstruction of Key Esters and Lactones

Hauber Fellow: Natasha Rappa

Hauber Mentors: Dr. Jesse More and Prof. John Hendrix



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Interpretable Shapelet-Based Multivariate Time Series Classification

Hauber Fellow: Bonita Rodrigues

Hauber Mentor: Drs. Nguyen Ho and Henrique Rocha

Macrophage Polarization in THP-1 Differentiated Cells Following Exogenous Arginine Supplementation and Ornithine Decarboxylase Inhibition

Hauber Fellow: Nane Tevosyan

Hauber Mentor: Dr. Cassandra Holbert

Machine Learning and Mechanical Systems: Development of Automated Sorting Systems for Combatting Recycling Contamination

Hauber Fellow: Evan Warner

Hauber Mentor: Dr. Suzanne Keilson

The Brachistochrone Curve: A Mathematical Framework for Path Planning

Hauber Fellow: Matthew Woodside

Hauber Mentor: Dr. Hoyeon Kim