University Honors Program Presenters

CAFOs and Contamination: A Comparison of Resistance Genotypes and Phenotypes in E. coli isolated from Kewaunee River and Area Hospitals
Ellen Bakke, A&S, Biological Sciences
Faculty mentor: Krassimira Hristova, Biological Sciences

What Makes a Community? Reception to Mixed-Gender Living in Residence Halls
Emma Baumgart, Communication, Corporate Communication & Environmental Studies
Andi Sirokman, A&S, Philosophy
Faculty mentors: Jody Jessup-Anger, Educational Policy and Leadership and Theresa Tobin, Philosophy

The Malignant Insensitivity to Civics Education: College Edition
Dan Brophy, A&S, Political Science
Faculty mentor: Barrett McCormick, Political Science

Automation in the U.S. Trucking Industry: Capitalist Imperatives in Technological Design
Jared Corbett, A&S, Philosophy and Economics, Computer Science
Seth Haines, A&S, Political Science
Faculty mentors: Grant Silva, Philosophy, and Michael McCarthy, Sociology

Battle of the Sexes: PACAP Regulates Hedonic Responses to Palatable Food in the Nucleus Accumbens
Tanya Dabra, Health Sciences, Biomedical Sciences
Faculty mentor: Sulean Choi, Biomedical Sciences

Assessing Chaperone Effects on the Aggregation of Transferritin
Emily Davis, A&S, Biological Sciences
Faculty mentor: Anita Manogaran, Biological Sciences

Tetrahydrofuran Analogs of ML161 as PAR1 Ligands
Trevor Foster, A&S, Biochemistry and Molecular Biology, Philosophy
Faculty mentor: Chris Dockendorff, Chemistry

The Role of Endocannabinoids in Corticosterone Potentiated Reinstatement
Paul Gottshall, A&S, Biomedical Sciences, Neuroscience
Faculty mentor: John Mantsch, Biomedical Sciences

Citizenship and Belonging: An Immigrant’s Struggle for Acceptance in America
Jack Hodes, A&S, Individual Interdisciplinary Major
Faculty mentor: Sameena Mullas, Social and Cultural Sciences

Cognitive Deficits in a Neurodevelopmental Animal Model of Schizophrenia: Behavioral Flexibility
Laura Kelble, Health Sciences, Biomedical Sciences
Faculty mentor: M. Behnam Ghasemzadeh, Biomedical Sciences

Does G protein-gated inwardly-rectifying in brain regions like the prefrontal cortex or hippocampus promote dysregulation of cognitive function?
Steven Loke, Health Sciences, Biomedical Sciences
Faculty mentor: Matthew Hearing, Biomedical Sciences

Impact of Racially Biased Police Violence on Willingness to Communicate
Maggie McPike, A&S, Psychology
Faculty mentor: Nakia Gordon, Psychology

Analyzing Bias in Popular Machine Learning Algorithms
Justin Miller, A&S, Computer Science
Faculty mentor: Shion Guha, Mathematics, Statistics and Computer Science

The n-dimensional Parity Check Coding Scheme over Finite Fields
Phuc Nguyen, A&S, Mathematics, Statistics and Computer Science
Faculty mentor: Wim Ruitenburg, Mathematics, Statistics and Computer Science

Characterizing the Role of a Dopaminergic Circuit in Relapse to Drug Seeking Using Intersectional Chemogenetics
Michael Nordness Health Sciences, Biomedical Sciences
Faculty mentor: John Mantsch, Biomedical Sciences

Non-intersecting Diagonals in Three Dimensions
Ivan Roth, A&S, Mathematics, Statistics and Computer Science
Faculty mentor: John Engbers, Mathematics, Statistics and Computer Science

Investigating how Aprotic Solvents Induce Autophagy to Cure Prions
Francesca Shiliati, A&S, Biological Sciences
Faculty mentor: Stefan Schnitzer, Biological Sciences

Infestation of Trees by Lianas on Barro Colorado Island, Panama
MaryRose Weatherton, A&S, Biological Sciences
Faculty mentor: Stefan Schnitzer, Biological Sciences

The Ronald E. McNair Scholars Presenters

Drug Treatment Courts: The Paradox of Therapeutic Jurisprudence
Eliza Luxvianos, A&S, Political Economy and Public Policy, Criminology and Law Studies
McNair Scholar

Helen Way Klingler College of Arts and Sciences Presenters

Prototype Scintillator Development for the IceCube Neutrino Observatory
Dominic Battaglia, A&S, Physics
Ian Ritzinger, A&S, Physics
Faculty mentor: Karen Andeen, Physics

Einzel Lens Calculation and Design for the ALPHA Experiment
Bradley Cole, A&S, Physics
Faculty mentor: Tim Tharp, Physics

Synthesizing Parmodulins: Modulators of Protease-Activated Receptor 1
Roland Diby Milwaukee Area Technical College, Faculty mentor: Chris Dockendorff, Chemistry

Diagnostic Equipment for Antimatter Plasmas
Sebastian Konekwo, A&S, Physics and Mechanical Engineering
Faculty mentor: Tim Tharp, Physics

Gamma-rays from MeV Blazars with AMEGO
Elise Rimsa, A&S, Physics
Mentor: Regina Caputo (NASA)

Magnetization Reversal in Spiral Ferromagnetic Spirals
Ryan Schumm, A&S, Data Science and Physics
Faculty mentor: Andrew Kunz, Physics.

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