

2007 Hughes Research Scholars

Christine Bodden (Department of Chemistry) – *Developing Carbonyl Substituted Naphthalene Derivatives to Gate Photoinduced Charge Transfer* (Supervisor: Dr. Jason Gillmore)

Lindsay Ellsworth (Department of Chemistry) – *Ion Beam Analysis of Metalloprotein Stoichiometry* (Supervisor: Dr. Graham Peaslee)

Paul Frybarger (Department of Computer Science) – *Building a Metabolic Model of Shewanella oneidensis from an Annotated Genome* (Supervisor: Dr. Matt DeJongh)

Lisa Kallemeyn (Department of Engineering) – *Heat Transfer Mechanisms in Fiber-Reinforced Polymer Composites Bonded to Concrete* (Supervisor: Dr. Jeff Brown)

Ross Knoll (Department of Psychology) – *From Pain to Well-Being: A Bio-Psycho-Behavioral Investigation Emphasizing Non-Self-Report Methods of Assessing Forgiveness and Gratitude* (Supervisor: Dr. Charlotte Witvliet)

Emily McConnelly (Department of Biology) – *Hormonal and Environmental Differences Associated with Aggressive Nestbox Defense and Reproductive Success in the Eastern Bluebird (Sialia sialis)* (Supervisors: Dr. Greg Fraley and Dr. Kathy Winnett-Murray)

Jonathan Moerdyk (Department of Chemistry) – *Quinoline Analogs of Perimidinespirohexadienone Photochromes: Toward Gating Photoinduced Charge Transfer* (Supervisor: Dr. Jason Gillmore)

Keith Mulder (Department of Chemistry) – *DNA Sequence Specific Recognition: Molecular Design, Synthesis, and Biochemistry* (Supervisor: Dr. Moses Lee)

Caitlin Rice (Department of Biology) – *Molecular Characterization and Genetic Regulation of Lipid Metabolism in Saccharomyces cerevisiae MGA2 and PAR16 Mutants* (Supervisor: Dr. Virginia McDonough)