Marquette Chemistry

Dmitri Babikov (dmitri.babikov@mu.edu; 288-3538)
- Quantum Origin of Anomalous Isotope Effect in Ozone Formation
- Mixed Quantum/Classical Theory for Collisional Energy Transfer
- Computational Study of Vibrational Qubits in Ion Traps

Chris Dockendorff (christopher.dockendorff@mu.edu; 288-1617)
- Teaching Old Targets New Tricks: New Strategies for the Modulation of Important Membrane Proteins for Drug Discovery
- Serendipity by Design: Hybrid Catalysts for Asymmetric Carbon-Carbon Bond Formation

Adam Fiedler (adam.fiedler@mu.edu; 288-7191)
- Synthetic Chemistry Relevant to Nonheme Iron Dioxygenases Involved in Bioremediation

James Gardinier (james.gardinier@mu.edu; 288-3533)
- Electronic Communication in Mono- and Bimetallic Pincer Complexes and Their Assemblies

Richard Holz (richard.holz@mu.edu; 288-7230)
- Biosynthesis, Metal Cofactor Selection, and Reactivity of Nitrile Hydratases
- New Antibacterial Drug Target: Analyzing Inhibitor Binding to a Bacterial Metallohydratase

Jier Huang (jier.huang@mu.edu; 288-3537)
- Structure-Function Analyses of photocatalytic hybrid materials for solar energy conversion

James Kincaid (james.kincaid@mu.edu; 288-3539)
- Looking at Fleeting Intermediates in the Reaction Cycles of Heme Proteins

Traveling Seminars 2014-15

Evgueni Kovriguine (evgueni.kovriguine@mu.edu; 288-7859)
- Proteins as Molecular Machines: An NMR Perspective

Rajendra Rathore (rajendra.rathore@mu.edu; 288-2076)
- Electronic Communication Through Cofacially-Arrayed Polybenzenoid Molecular Wires

Scott Reid (scott.reid@mu.edu; 288-7565)
- Studies of Halogen Bonding and Photoinduced Electron Transfer in Halogen-bonded Complexes
- When Isomerization is Electron Transfer: The Intriguing Story of the Iso-Halons

Mark Steinmetz (mark.steinmetz@mu.edu; 288-3535)
- Photochemically Removable Protecting Groups

Qadir Timerghazin (qadir.timerghazin@mu.edu; 288-5779)
- S-Nitrosothiols: From Electronic Structure to Biological Function

Chieu Tran (chieu.tran@mu.edu; 288-5428)
- Analytical Applications of Room Temperature Ionic Liquids
- Supramolecular Polysaccharide Composite Materials: Recyclable Synthesis and Applications

Chae Yi (chae.yi@mu.edu; 288-3536)
- Synthetic and Mechanistic Study of the Ruthenium-Catalyzed Dehydrative C-H Coupling Reactions

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