



MARQUETTE UNIVERSITY

Chemistry

Traveling Seminar 21-22

www.marquette.edu/chem

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- ◆ 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

Joseph Clark: joseph.clark@marquette.edu; 414.288.7859

- ◆ Precision Deuteration in Small Organic Molecules
- ◆ Cu-catalyzed Alkene and Alkyne Hydrofunctionalization Reactions

Adam Fiedler: adam.feidler@marquette.edu; 414.288.7191

- ◆ Synthetic Chemistry Relevant to Nonheme Iron Dioxygenases Involved in Bioremediation

James Gardinier: james.gardinier@marquette.edu; 414.288.3533

- ◆ Electronic Communication in Mono and Bimetallic Pincer Complexes and Their Assemblies

Jier Huang: jier.huang@marquette.edu; 414.288.3537

- ◆ Structure-Function Analyses of Photocatalytic Hybrid Materials for Solar Energy Conversion

Ofer Kedem: ofer.kedem@marquette.edu; 414.288.0701

- ◆ The Role of Stabilizing Ligands and Supports in Nanoparticle Catalysts
- ◆ Photopatterning of Complex Monolayers and Photofabrication of Nanomaterials

James Kincaid: james.kincaid@marquette.edu; 414.288.3539

- ◆ Looking at Fleeting Intermediates in the Reaction Cycles of Heme Proteins

Scott Reid: scott.reid@marquette.edu; 414.288.7565

- ◆ Hole and Exciton Delocalization in Model π -stacked Assemblies
- ◆ Roaming Halogen Radicals
- ◆ Flipping the General Chemistry Classroom

Nick Reiter: nicholas.reiter@marquette.edu; 414.288.5701

- ◆ Structure and Conformational Dynamics of a Catalytic RNA and its RNA-Protein Interface
- ◆ Molecular Recognition of RNA by Chromatin-Associated Protein Enzymes

Qadir Timerghazin: qadir.timerghazin@marquette.edu; 414.288.5779

- ◆ S-Nitrosothiols: From Electronic Structure to Biological Function

Dian Wang: dian.wang@marquette.edu; 414.288.5428

- ◆ Analytical Applications of Room Temperature Ionic Liquids
- ◆ Supramolecular Polysaccharide Composite Materials: Recyclable Synthesis and Applications

Chae Yi: chae.yu@marquette.edu; 414.288.3536

- ◆ Structure-Function Analyses of Photocatalytic Hybrid Materials for Solar Energy Conversion