

# Center for Molecular Magnetic Quantum Materials

## Thrust 1: Magneto-electric coupling in Quantum Materials

**Thrust Leader:**  
Vivien Zapf

**PIs:** Hai-Ping Cheng, George Christou, John Stanton, Mike Shatruk, Neil Sullivan, Sam Trickey

## Thrust 2: Quantum Superposition and Entanglement of Spin States

**Thrust Leader:**  
George Christou

**PIs:** Garnet Chan, Hai-Ping Cheng, Stephen Hill, Mark Pederson, Mike Shatruk  
**Research Scientist:** Xing Zhang

## Thrust 3: Spin-Charge Coupling on surfaces and interfaces

**Thrust Leader:**  
Xiaoguang Zhang

**PIs:** George Christou, Art Hebard, Richard Hennig, Talat Rahman, Mike Shatruk, Xiao-Xiao Zhang

## Cross-cutting Theory and Computation

**Co-coordinators**  
Garnet Chan & Mark Pederson

**PIs:** Hai-Ping Cheng, Richard Hennig, Talat Rahman, John Stanton, Sam Trickey