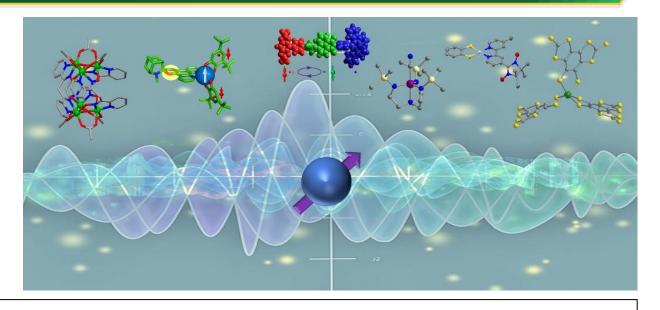
Center for Molecular Quantum Transduction (CMQT) Michael R. Wasielewski (Northwestern University); Class: 2020-2024

MISSION: To develop the fundamental scientific understanding needed to carry out quantum transduction through a bottom-up synthetic approach which imparts atomistic precision to quantum systems.

https://isen.northwestern.edu/cmgt



RESEARCH PLAN

- **CMQT** explores coherent coupling of light, spins, and charges at the ensemble and single-molecule levels.
- **CMQT** probes quantum transduction within distributed molecular quantum systems, which bridge the length scale of single molecules with those of state-of-the-art solid-state systems.
- **CMQT** uses the interaction of light and molecular degrees of freedom to achieve quantum transduction in scalable quantum systems.











