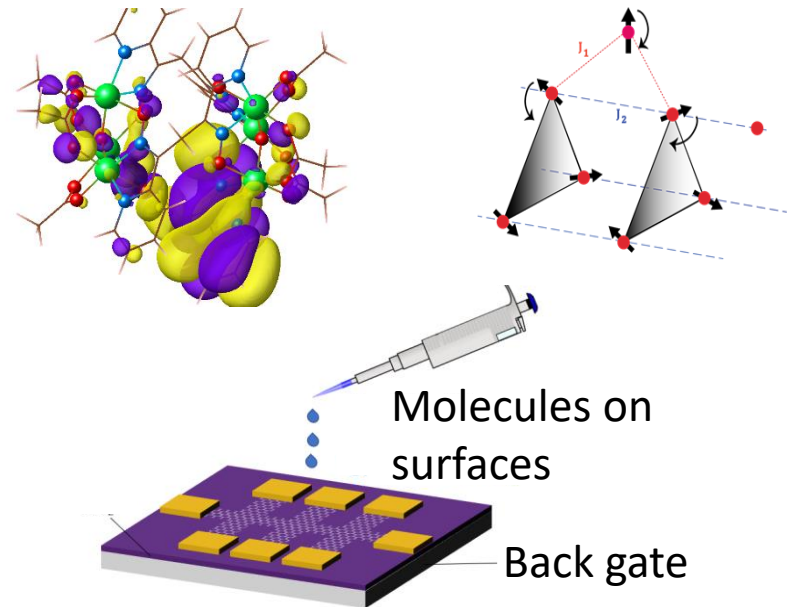


# Molecular Magnetic Quantum Materials (M<sup>2</sup>QM)

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**MISSION:** To provide the materials physics and chemistry understanding of molecular magnetic quantum materials essential for quantum and conventional computing beyond Moore's Law, with an overarching goal of turning molecular magnets into quantum materials useful for both quantum computing and quantum current conventional devices.



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## RESEARCH PLAN

Synthesize and characterize (experimentally and computationally) linked molecular magnets with various coupling strength, and study their resulting quantum properties and coupling to surfaces and junction interfaces. Study magneto-electric couplings and exotic spin phenomena in molecular solids.



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