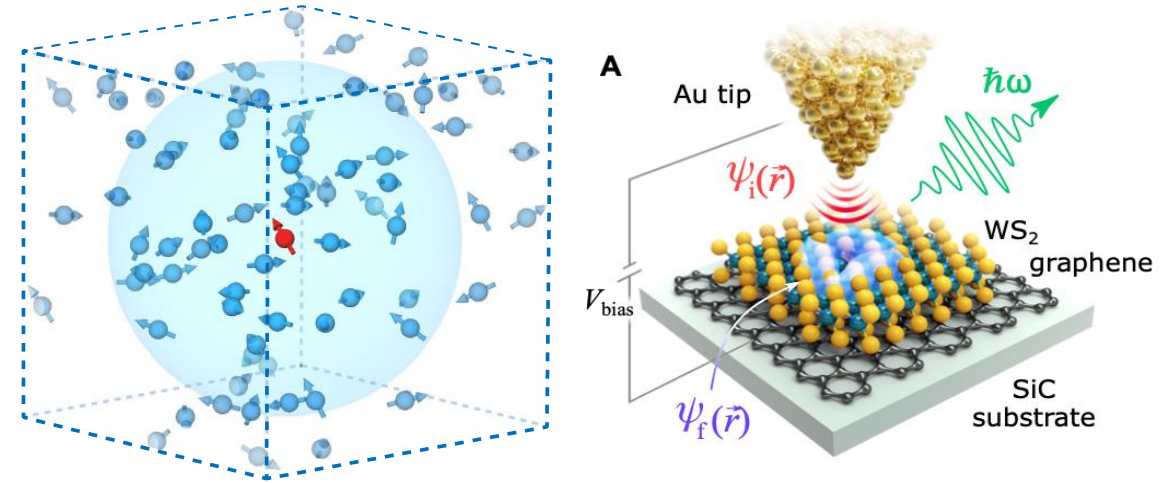


# Center for Novel Pathways to Quantum Coherence in Materials (NPQC)

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**MISSION:** To expand dramatically our understanding and control of coherence in solids by building on recent discoveries in quantum materials along with advances in experimental and computational techniques.



<http://npqc.lbl.gov>

## RESEARCH PLAN

NPQC studies families of materials in which quantum coherence is especially important using a variety of advanced characterization techniques and theoretical methods. Major outcomes include new approaches to solid-state quantum sensing and quantum spectroscopy, along with controllable coherent and incoherent transport behavior enabled by the creation of nanoscale interfaces and devices.



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