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.

RESEARCH PLAN
NPQC will study three families of materials in which quantum coherence is especially important, using a variety of advanced characterization techniques and theoretical methods. Major outcomes will include new approaches to solid-state quantum sensing and quantum spectroscopy, along with controllable crossovers between coherent and incoherent behavior in transport and optical properties.

https://npqc.lbl.gov