

PhD and Postdoc positions available

*Theory and simulation of
quantum devices*

**University College Dublin in Ireland
with Prof Andrew K Mitchell**

- **2x Postdoc positions (36 months each)
to start as early as March 2026**
- **2x PhD students (48 months) to start Sept 2026**

Quantum circuits as strongly non-Markovian many-body open quantum systems

Topics include:

Condensed matter theory (strongly correlated electrons, quantum impurities, Kondo)

Quantum information (metrology, Fisher information, entanglement, measurements)

Quantum thermodynamics (characterization of entropy, work, ergotropy, fluctuations)

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