ABOUT THE CLUSTER

The Hub for Imaging and Quantum Technologies cluster will establish Johns Hopkins University as a worldwide leader in the area of quantum science and its revolutionary application to technology and fundamental physics. This cluster will recruit scholars who will lead efforts to push beyond current limits of imaging and quantum technologies by developing cutting-edge tools for a wide range of research areas.

Cluster scholar backgrounds may include:

- Quantum devices from materials
- Quantum sensors to understand the planet and universe
- Quantum information
- Biological applications of quantum materials and sensors
- Meta-lenses and flat optics
- Quantum metrology
- in situ cryo-electron tomography (cryo-ET)
- Correlated microscopy
- Data science as applied to imaging tools

Team members in this cluster will work within JHU’s unique collaborative culture and receive additional administrative and financial support to ensure their interdisciplinary research is truly impactful and world-changing.