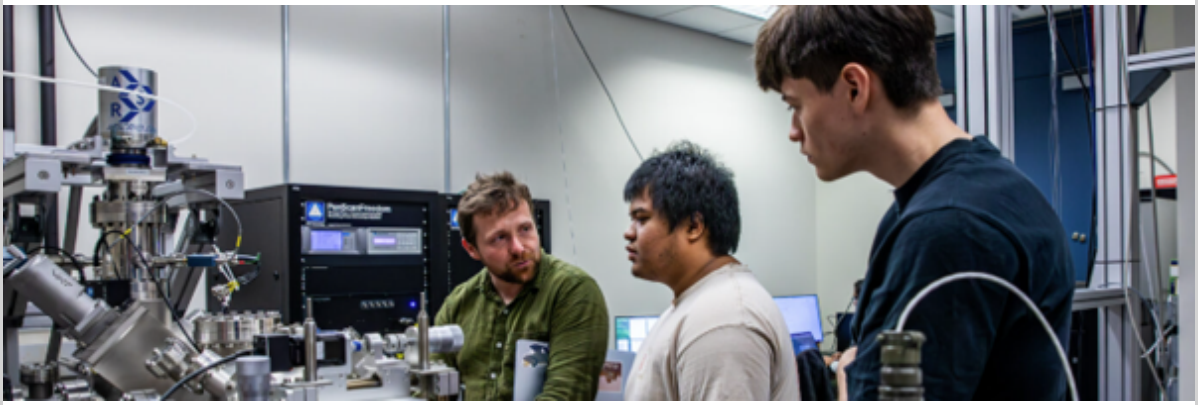
UNIVERSITY of WASHINGTON

SPRING 2026

QUANTUMX



At quantum testbed lab, researchers across the UW probe 'spooky' mysteries of quantum phenomena

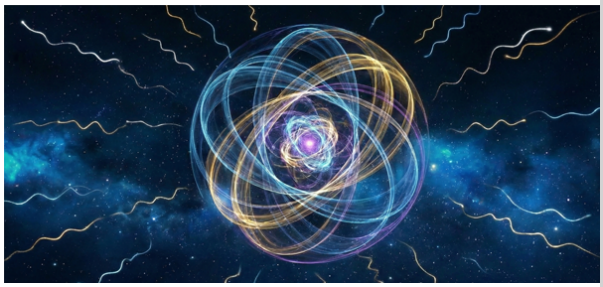
An interdisciplinary group of researchers has been marshalling resources and expertise to create QT3 for three years, and now, the lab is opening its doors as a unique one-stop shop resource for quantum researchers and educators at the UW.

UW Hosted Dr. Krysta Svore for the annual Quantum Science Flagship Lecture on February 10

Dr. Krysta Svore is the vice president of applied research for quantum computing at NVIDIA. Watch her recent public lecture, *Designing the Accelerated Quantum Supercomputer: AI First, Real Time Required.*

NQN's Northwest Quantum Day

On April 14, the leaders of the Pacific Northwest's computing community gathered in downtown Seattle to inaugurate World Quantum Day in our region — and Washington Gov. Bob Ferguson gave them one more reason to celebrate.



Quantum Science and Information **seminar hosts 10 speakers from industry, government labs and academia**

Providing UW graduate students with insights into current quantum research and career opportunities, guest speakers from Microsoft, Photonic Inc, and Ion Q, visited campus over winter quarter. New this year, the seminar was opened to the public, bringing visitors from Seattle's broader quantum-curious community to campus.

EVENTS

UW Frontiers of Physics Public Lecture

Featuring Dr. John M. Martinis, an experimental physicist whose work laid much of the foundation for superconducting quantum circuits.

Join his upcoming lecture*, Prehistoric quantum bits: experiments testing the fundamental physics of superconducting quantum devices*

Tuesday, May 5 | 7:30-9 p.m. PT
In-person & virtual | **Register today!**

RESEARCH HIGHLIGHTS

Scalable Ion Fluorescence Collection Using a Trap-Integrated Metalens
Hae Lim, Johannes E. Fröch, Christian M. Pluchar, Arka Majumdar, Sara L. Mouradian
ACS Publications

Fluctuation-Induced Giant Magnetoresistance in Charge-Neutral Graphene
A. Levchenko, E. Kirkinis, A. V. Andreev
APS Journals

Separating QMA from QCMA with a classical oracle
John Bostanci, Jonas Haferkamp, Chinmay Nirkhe, Mark Zhandry
Arvix.org

The Power of Two Bases: Robust and copy-optimal certification of nearly all quantum states with few-qubit measurements
Andrea Coladangelo, Jerry Li, Joseph Slote, Ellen Wu
Arvix.org

The Quantum Complexity of String Breaking in the Schwinger Model
Sebastian Grieninger, Martin J. Savage, Nikita A. Zemlevskiy
Arvix.org

Triply Resonant Photonic Crystal Nanobeam Cavities for Unconditional Photon Blockade
Richard Dong, Abhinav Kala, Andrew Lingenfelter, Michael S. Polania Vivas, Matthew D. Stearns, Arka Majumdar
Arvix.org

Optically Active Yb3+ Spin Defects in Cerium Oxide Nanocrystals
Emily Miura-Stempel, Thom J Snoeren, William R Bittner, Colin Mckenna, Stefan Stoll, Daniel R Gamelin, Brandi M Cossairt
ChemRxiv

Higher critical currents yet faster vortex creep in EuBa2Cu3Oy films containing coherent artificial pinning centers
Jiangteng Liu, Masashi Miura, Daisaku Yokoe, Takeharu Kato, Akira Ibi, Teruo Izumi & Serena Eley
Communications Materials

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