From Labs to Lives

How Research Funding Solves Real-World Problems

NSF-Funded Research Building Quantum Nanotechnologies

At UC Davis, Professor Marina Radulaski is working to build the future of the quantum internet. Her federally funded research creates tiny devices in silicon carbide that can connect quantum computers and sensors. These technologies could help discover new medicines, design safer materials and create stronger digital security systems

Helping Humanity

Quantum networks have real potential to help people. They could speed up drug discovery, improve medical imaging, secure financial and health records and even detect environmental changes earlier through advance sensors that normal computers cannot. Without continued federal funding, this progress would stop. The hands-on work needed to turn ideas into working technology would disappear and the United States would fall behind countries investing heavily in quantum research.

> ***Without federal funding support, we would be limited to only theoretical studies instead of building tangible quantum technologies." — Marina Radulaski, Ph.D.***

Marina Radulaski, Ph.D.

College of Engineering

Quantum Nanophotonics

Media Contact: Andy Fell
ahfell@ucdavis.edu

UCDAVIS

ucdavis.edu/labs-to-lives

#fromlabstolives