

➤ **Are you interested**

in quantum mechanics and how it can be used to advance next-generation technologies?

➤ **Are you looking**

for a graduate training experience that gives you a high-level academic education and an in-depth opportunity to develop the practical skills needed to use your skills and talents in both industry and academia?

➤ **Are you curious**

about how to take research from the laboratory and transform it into revolutionary new technologies in the marketplace?

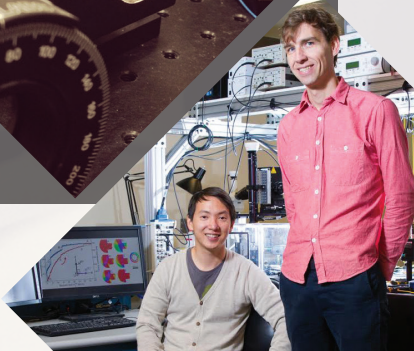
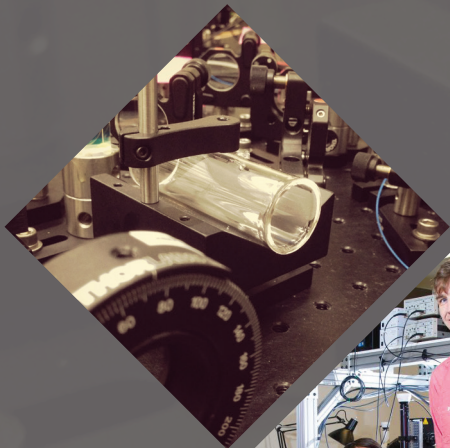


Info at ualberta.ca/~quanta

Questions? quanta@ualberta.ca



Funded by



The Quanta CREATE program is an exclusive graduate student training program in emerging quantum technologies that focuses on developing innovation, management, and entrepreneurship skills.

This unique program, which is offered collaboratively through the University of Alberta and the University of Calgary, fosters a culture of entrepreneurship by encouraging students to develop product ideas, explore start-up funding, and connecting young scientists with established business mentors.

**Apply
now**

Quanta produces highly skilled scientists who will revolutionize the information and communications sector through new quantum technologies.

Quanta trainees will:

- ✦ receive high-quality hands-on technical training in state-of-the-art U of A and U of C laboratories, as well as in the U of A nanoFab
- ✦ acquire both the technical skills and the business acumen to be leaders of Canada's innovation economy
- ✦ participate in local "Industry Development Days", Quantum Alberta workshops, and targeted research programs
- ✦ have program support for travel opportunities
- ✦ have the opportunity to present at national and international conferences related to quantum nanotechnology development
- ✦ be eligible for micro-project seed grants to fund entrepreneurial innovation projects
- ✦ will benefit from a reduced TA load and/or top-up scholarships

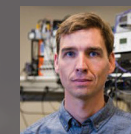
Quanta is committed to diversity and welcomes applications from all students, especially women and those from underrepresented minority groups.

Apply to the graduate program of your proposed supervisor. Include a one-page expression of interest addressing interest in quantum nanotechnology development, applied research and entrepreneurship.

Quanta Principal Investigators:



John Davis
Optomechanics and superfluids
jdavis@ualberta.ca



Paul Barclay
Quantum optics and nanophotonics
pbarclay@ucalgary.ca



Lindsay Leblanc
Ultracold atoms
lindsay.leblanc@ualberta.ca



Ray DeCorby
Microphotonic devices
rdecorby@ualberta.ca



Christoph Simon
Quantum communication
christoph.simon@gmail.com



Wolfgang Tittel
Quantum cryptography
wtittel@qis.ucalgary.ca