



# RESEARCH2REALITY

Shining a light on research & innovation.

## Everyday Life Is Poised for a Quantum Leap

An interview with **Andrea Damascelli**, Professor, UBC Physics and Astronomy Scientific Director, Stewart Blusson Quantum Matter Institute and **MengXing Na**, PhD Student, UBC Physics and Astronomy, Stewart Blusson Quantum Matter Institute

### Andrea Damascelli

These days even more so than in the past we are looking at quality of life being directly connected to available technologies.

### MengXing Na

We're at a point in time in quantum technologies where things are really starting to ramp up. One classic quantum material that's been talked about for a really long time is superconductors, and high temperature superconductors, and these materials are already in applications in many different fields from magnetic levitating trains to MRIs.

### What real world applications could this research unlock?

### Andrea Damascelli

We're used to seeing MRI machines using large magnetic fields to create images that carry and bear a meaning towards diagnostics. Yet these

TODAY'S RESEARCH. TOMORROW'S REALITY.

