



RESEARCH2REALITY

Shining a light on research & innovation.

'We Need To Do Science Differently Moving Forward'

An interview with **Curtis Berlinguette**, Professor, UBC Chemistry, Stewart Blusson Quantum Matter Institute
and **Alán Aspuru-Guzik**, Quantum Mechanic, University of Toronto

Curtis Berlinguette

I get to work with a team of physicists that are the world's experts in looking at the physical properties of thin films. We're also really excited to be teamed up with my colleague in chemistry, Jason Hein, as well as Alán Aspuru-Guzik at the University of Toronto.

Alán Aspuru-Guzik

In collaboration with the University of British Columbia, Curtis Berlinguette, Jason Hein, and myself built a machine that is actually manufacturing and testing thin films with different conditions to try to optimize their performance. So that's an example of one of the things that we're doing concretely to accelerate innovation.

What does the future look like for green tech?

Curtis Berlinguette

This is really a global effort, because everybody recognizes this really is the future of science. We need to do science differently moving forward. Ten years ago, renewables accounted for about 1 percent of all of the primary

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energy produced globally. Today, that number is merely at 3 percent. We've invested billions into this. This is going to require people from different disciplines to be working together in taking these technologies out to the market faster.