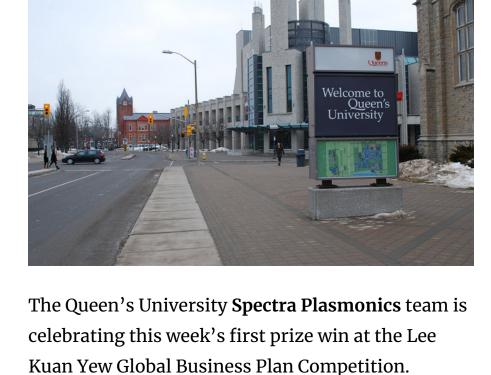


Prize at Global Competition Published on: 2017/09/15 - in Science & Tech — by Dick Mathison



from the United States, China, the United Kingdom, Italy, and Sweden to take top spot at the Singapore event, winning \$125,000 (CDN) and \$100,000 in venture capitalist funding.

Spectra Plasmonics beat five other finalist teams

The Queen's members submitted a silicon chip design capable of detecting trace amounts of melamine in milk powder. This technology's value

is apparent in light of the 2008 "Chinese milk scandal" that resulted after melamine was added to milk powder to give it the appearance of higher protein content. China estimated 300,000 were affected by the tainted milk powder that year, including 54,000 babies hospitalized and six kidney related deaths.

According to Singapore's The Straits Times, the Queen's University project "involves the use of a metal-coated silicon chip to aid ultra-sensitive chemical detection. Lab samples are placed on the chip, which is implanted on a specimen slide and examined through a spectrometer. The chip is able to enhance detection signals by at least a million times, thus producing more comprehensive test results and reducing the need for complex lab tests that are both

costly and time-consuming." Queen's University's chemical engineering department is credited for inventing the chip, with Team Spectra Plasmonics tasked with developing and marketing it. The winning Spectra Plasmonics members include

Malcolm Eade, Tyler Whitney, Ryan Picard, Christian Baldwin, and Mr Yusuf Ahmed. Mr. Whitney was quoted by The Strait Times as saying this prize money will enable the team to put more focus on product development and eventually bring their technology to market. Queen's University Principal Daniel Wolf tweeted

out kudos to the team, saying "Congrats to Spectra

Plasmonics, one of the DDQUIC grads, who have just

won the international pitch competition in Singapore

Congrats to Spectra Plasmonics, one of the

international pitch competition in Singapore

DDQUIC grads, who have just won the

Daniel Woolf @woolf_atthedoor

grand prize!"

grand prize!

competition!

4:46 AM · Sep 26, 2017

in our region and internationally.

onto the global stage."

ADNAO (1)

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Times and this DDQUIC news article.

founding prime minister "who developed the

33

1:25 AM · Sep 15, 2017

© Copy link to Tweet **UPDATE:** The Mayor of Kingston, Bryan Paterson, posted a photo of himself with the Spectra Plasmonics team and Principal Woolf to congratulate the students on their win.

Congrats to Spectra Plasmonics, a new tech company started at Queen's this summer,

winner of the Lee Kuan Yew global innovation

Bryan Paterson @MayorPaterson

 Copy link to Tweet According to its website: the Dunin-Deshpande Queen's Innovation Centre (DDQUIC) supports student innovation and entrepreneurship at Queen's University. DDQIC brings people together across all disciplines and provides resources to support innovation and the

creation of products and services that make a difference

Competition (LKYGBPC) is named after Singapore's

country's defining business plan bringing the Asian city

Read a full report of the competition at The Straits

Photo: John Marino (cc)

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Hoffman, author of "Steal this Book", while promoting his own book that same year! (at

Apr 27, 2021

deadline.com

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Kingston Herald @KingstonHerald

pursued since 2007.

the end) :)

family, power brokers in Kingstown,

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