

SEMINAR
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Hosted by A/P Henry Mok

From tiny nanoparticles to big dreams for science communication in Asia



By Juliana M. Chan

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Founder & CEO, Wildtype Media Group
Young Global Leader, World Economic Forum

Dr. Juliana Chan is the founder & CEO of Wildtype Media Group, Asia's leading STEM-focused media company, spanning digital, print, custom publishing and events. Juliana received a BA and MA degree in natural sciences from the University of Cambridge, UK, and a PhD degree in biology from the Massachusetts Institute of Technology (MIT), USA, where she also carried out her post-doctoral research.

Awards include the L'Oréal-UNESCO For Women in Science Singapore Fellowship, the 2014 MIT Technology Review's 10 Innovators Under 35 (Asia), and the 2017 ACS Nano Junior Fellowship.

Juliana's research work into drug delivery and nanomedicine has been featured by The BBC, MIT Technology Review and South China Morning Post. She is an inventor on four US patents, three of which have been licensed for commercialization.

Juliana is a Young Global Leader of the World Economic Forum (WEF), and she serves on the WEF Technology Pioneer Selection Committee (2015-2018).

Due to differences in language and culture, it is often a challenge to communicate research taking place in Asia to a global audience. This talk will detail my seven-year journey into science communication, starting from when I was a biology graduate student and post-doctoral researcher at the Massachusetts Institute of Technology (MIT). In particular, I will describe how I founded Asian Scientist Magazine, Asia's leading science and technology magazine. Finally, I will also discuss my research into microfluidics, nanomedicine and drug delivery at MIT and Nanyang Technological University, where I was most recently a Nanyang Assistant Professor. The research work I will discuss has resulted in four patents (three licensed) and publications in Nature Communications, PNAS and Nanoscale.

Candidate for Adjunct Assistant Professor Position