



CARLMONT SCIENCE

Guest Lecture

Hard Problems, Cool Science, and Making Big Decisions

Derek Greenfield, CEO of iMicrobes



We live in an era of amazing new technologies, but are surrounded by problems that seem insurmountable. How do you decide what to work on? How do you figure out what you enjoy?

Derek Greenfield studied Physics at Harvard and Biophysics for his PhD at UC Berkeley. He went on to be a scientist at LS9, engineering microbes as chemical factories to make renewable biodiesel for trucks and green surfactants (the chemicals that make soaps and laundry detergent work). More recently Derek co-founded iMicrobes, a synthetic biology startup working on making many products in our lives – from food to plastics - more sustainable. iMicrobes designs and builds new kinds of bacteria that never existed, that will eat waste or greenhouse gases and use the molecules as raw materials to make new chemicals. Derek will talk about the incredible things people have done using synthetic biology and ways you can get into this growing field.

Lecture Dates for 2017-2018 School Year:

October 11th, November 8th, February 14th, March 7th, and April 4th

September 13th, 2017

7-8:30 PM (Doors open at 6:45 PM)

Carlmont Performing Arts Center

Free to the Carlmont Community

