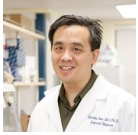


## Spotlight 2: Charles Chiu



As part of our unit on pathogenic genes and virulence factors, we are going to explore the work of Charles Chiu. Charles Chiu's lab studies pathogens and develops computational tools for the identification of pathogens in genetic samples. He is a Professor at the University of California, San Francisco.

Please read the following articles about Charles Chiu's work:

1. <https://www.nytimes.com/2014/06/05/health/in-first-quick-dna-test-diagnoses-a-boys-illness.html>
2. [https://www.eurekalert.org/pub\\_releases/2020-11/uoc--rtc111020.php](https://www.eurekalert.org/pub_releases/2020-11/uoc--rtc111020.php)

Also listen to the following short radio segment:

1. <https://www.npr.org/sections/health-shots/2014/06/05/319210230/quick-dna-tests-crack-medical...>

### Written Assignment

After reading the articles about Charles Chiu, write a reflection (max one page) on what you discovered. You might wish to address some of the following:

1. What was most interesting to you in reviewing these resources?
2. What did you learn from these resources about computational approaches for detecting pathogens?
3. What new questions do you have after reviewing these resources?
4. What do these resources tell you about the types of people that do computational biology, or their motivations?