



# COVID-19 SUMMIT 2023

JANUARY 26-29, 2023 | HONG KONG



## Dr. Craig C. Mello

Keynote Speaker

Nobel Prize Laureate in Physiology or Medicine 2006

### Speech Topic

mRNA and RNAi: potential for developing therapies that change the course of disease and improve health

### Speaker introduction

Dr. Mello was awarded the 2006 Nobel Prize for Physiology or Medicine, for the discovery of RNA interference. RNA has multiple functions. Among these, messenger RNA carries genetic information from DNA to protein formation. RNA is often a single-stranded spiral, but also exists in double-stranded form. In 1998, Dr. Mello first discovered RNA interference - the silencing of genes by double-stranded RNA. In this phenomenon, double-stranded RNA blocks messenger RNA so that certain genetic information is not converted during protein formation. This silences these genes, i.e. renders them inactive. The phenomenon plays an important regulatory role within a genome. Dr. Mello has been a professor of molecular medicine at the University of Massachusetts Medical School and investigator of Howard Hughes Medical Institute. Dr. Mello completed his Ph.D. at Harvard University in 1990.

### Lecture Highlights

Strategies for next-generation vaccines for variants

Development of gene-specific double-stranded RNA drugs against variants

Improvement of molecular diagnosis for variants

### Lectures for the Audience

1. Enterprises and research institutes researching variant mRNA vaccines
2. Enterprises and research institutes researching novel PCR detection of variants
3. Enterprises and research institutes researching drugs against variants

**Time:** January 26-29, 2023

**Location:** Grand Hyatt Hong Kong

**Register Site:** <https://scientiameetings.com/conferences/covid19-summit/>