



Carlos Bustamante

July 07, 2025 to July 11, 2025

ICFO Auditorium

Carlos J. Bustamante, born in Lima, Peru in 1951, is a renowned Peruvian-American

biophysicist known for pioneering single-molecule biophysics. He earned his bachelor's degree in biology in Lima, followed by a master's in biochemistry, and later completed his Ph.D. in biophysics at UC Berkeley in 1981. After postdoctoral work and faculty positions, he returned to Berkeley, where he now holds joint appointments in Molecular & Cell Biology, Physics, and Chemistry. His research focuses on the mechanics of biological molecules such as DNA, RNA, and proteins, using cutting-edge techniques like optical tweezers and atomic force microscopy. Bustamante has revealed key mechanisms in molecular motors, protein folding, and gene expression. He is a Howard Hughes Medical Institute Investigator and has received numerous prestigious awards, including the Max Delbrück Prize and the Vilcek Prize. A member of the U.S. National Academy of Sciences, his work continues to shape th understanding of life at the molecular level.