

Bioinformatics

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Professor Helder Nakaya is the deputy director of the School of Pharmaceutical Sciences at the University of São Paulo, Brazil. He is also the head of the Computational Systems Biology Laboratory (<https://csbiology.com/>), and an adjunct professor in the Department of Pathology at Emory University School of Medicine, USA. He

is one of the pioneers in Systems Vaccinology, an interdisciplinary field that combines systems-wide measurements, networks, and predictive modeling in the context of vaccines and infectious disease. Dr. Nakaya has developed systems biology approaches to understand and predict the mechanisms of vaccine-induced immunity for Yellow Fever, seasonal influenza, meningococcal, and tularemia vaccines. His laboratory is focused on investigating the basis of infectious diseases using computational systems biology. Dr. Nakaya has published over 150 articles including articles in *Cell*, *Nature* and *Science*.

