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## Enabling the Evaluation of COVID-19 Vaccines with Correlates of Protection Vaccinopolis University of Antwerp, Belgium February 16 - 17, 2023



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John Tsang is a systems immunologist, computational biologist, and engineer. Tsang earned his PhD in biophysics and systems biology from Harvard University and trained in computer engineering (BASc) and computer science (MMath) at the University of Waterloo, Canada.

He is currently Professor of Immunobiology and Biomedical Engineering at Yale University; he is also the founding Director of the Yale Center for Systems and Engineering Immunology (CSEI), which serves as a cross-departmental home, enabler, and center of collaborative research for systems, quantitative, and synthetic immunology at Yale.

Prior to joining Yale, he was a tenured Senior Investigator in the National Institutes of Health's Intramural Research Program and led a laboratory focusing on systems and quantitative immunology at the National Institute of Allergy and Infectious Diseases (NIAID). He also co-directed the Trans-NIH Center for Human Immunology and led its research program in systems human immunology. He remains an Adjunct Investigator at NIAID.



He has won multiple awards for his research, including NIAID Merit Awards recognizing his scientific leadership in systems immunology, COVID-19, and human immunology research. His work on human immune variability, systems immunology, and prediction of vaccination responses was selected as a Top NIAID Research Advance of 2014. Tsang has served as an advisor on systems immunology and computational biology for numerous programs and organizations, including the Allen Institute, Human Vaccines Project (Human Immunome Project), World Allergy Organization, National Cancer Institute, National Institute of Allergy and Infectious Diseases, and the Fred Hutchinson Cancer Center. He currently serves on the Editorial Board of PLOS Biology and the Scientific Advisory Board of NIAID ImmPort, the NIAID Influenza IMPRINT Program, the NIH Common Fund Cellular Senescence Network (SenNet), the Human Immunome Project, the Vaccine and Immunology Statistical Center of the Gates Foundation, and CytoReason.

