

Strategies to Better Align Investments in Innovations for Therapeutic Development with Disease Burden and Unmet Needs Webinar 1

PUBLIC WEBINAR AGENDA

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THE WEBINAR](#)

THURSDAY, AUGUST 15, 2024

2:30 PM

Welcome and Introduction to the Study

Don Berwick, Committee Chair

2:35 PM

Panel Presentations

Dana Pe'er, Howard Hughes Medical Institute Investigator
Endowed Chair, Computational and Systems Biology Program, Sloan Kettering Institute
Scientific Director, Alan and Sandra Gerry Metastasis and Tumor Ecosystems Center,
Sloan Kettering Institute

Scientific Director, Single-Cell Analytics Innovation Lab, Sloan Kettering Institute

Bruce Y Lee, Professor of Health Policy and Management, City University of New York
(CUNY)

Executive Director, PHICOR, CATCH, AIMINGS

CEO, Symsilico

Senior Contributor, Forbes

Contributor, Psychology Today

3:15 PM

Panel Discussion

Maria Elena Bottazzi, Committee Member and Moderator

3:55 PM

Closing Remarks

Adjourn

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Speaker Biographies



Dana Pe'er

Dana Pe'er is a Howard Hughes Medical Institute Investigator, endowed Chair of the Computational and Systems Biology Program and Scientific Director of the Alan and Sandra Gerry Metastasis and Tumor Ecosystems Center and the Single-cell Analytics Innovation Lab at the Sloan Kettering Institute. The Pe'er lab has pioneered foundational machine learning approaches to derive cell states, trajectories and cell-cell interactions from single-cell genomics and multiplexed imaging data. Group members apply

their tools to address questions in development, immunity and cancer, with a focus on plasticity, tumor heterogeneity, and tumor-immune interactions. Dr. Pe'er earned her PhD with Dr. Nir Friedman at the Hebrew University and completed a postdoctoral fellowship with Dr. George Church at Harvard University. She is a Fellow of the AACR Academy and received the Burroughs Wellcome Fund Career Award, NSF CAREER award, NIH Director's New Innovator and Pioneer awards, Packard Fellowship in Science and Engineering, Ernst W. Bertner Memorial Award, and ISCB Overton Prize and Innovator Awards for her contributions. She serves on the editorial board of Cell, heads an NCI Human Tumor Atlas Network center, and co-leads computational analysis for the Human Cell Atlas.



Bruce Y. Lee

Bruce Y. Lee, MD, MBA is a writer, journalist, professor, systems modeler, AI/computational and digital health expert, and entrepreneur. He has over two-and-a-half decades of experience in industry and academia developing mathematical and computational modeling, AI, and other computer-aided approaches to assist a wide range of decision makers in health, medicine, and public health. Currently, he is a Professor of Health Policy and Management at the [City University of New York \(CUNY\) Graduate School of Public Health](#) where he is the Executive

Director of the Center for Advanced Technology and Communication in Health (CATCH) at CUNY, which aims to develop and implement new technologies and

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approaches to help decision making and communication in health and public health, and Executive Director of the [Artificial Intelligence, Modeling, and Informatics for Nutrition Guidance and Systems \(AIMINGS\) Center](#).

Dr. Lee is also the founder (in 2007) and Executive Director of [PHICOR](#) (Public Health Informatics, Computational, and Operations Research, Twitter handle [@PHICORTeam](#)) and founder and CEO of [Symsilico](#), which develops and uses computational methods, models, and tools to help decision-making. His previous positions include serving as Professor by Courtesy at the Johns Hopkins Carey Business School, Associate Professor of International Health at the Johns Hopkins Bloomberg School of Public Health, Executive Director of the Global Obesity Prevention Center (GOPC), Director of Operations Research at the International Vaccine Access Center (IVAC), Associate Professor at the University of Pittsburgh, Senior Manager at Quintiles Transnational, working in biotechnology equity research at Montgomery Securities, and co-founding Integrigen.

Dr. Lee has been the Principal Investigator for over \$60 million in grants/contracts from a variety of organizations and agencies including the National Institutes of Health (NIH), the Agency for Healthcare Quality and Research (AHRQ), the National Science Foundation (NSF), the Centers for Disease Control and Prevention (CDC), UNICEF, the Global Fund, the Bill & Melinda Gates Foundation, and the U.S. Agency for International Development (USAID). He has served as a systems science, AI, and computer modeling expert for a range of different entities, including serving on advisory boards and committees for the National Academies of Science, Engineering and Medicine (NASEM), the World Health Organization (WHO), the NIH, Centers for Medicare and Medicaid (CMS), and other organizations.

Dr. Lee has authored over [255 scientific publications](#) (including over 105 first author and over 100 last author), most of which have been original research, and nearly all of which have focused on systems science and computer/AI methods. He has also authored three books.

Dr. Lee has written extensively for the general media. He is a Senior Contributor for [Forbes](#), covering a wide range of health-related topics including medicine, wellness, digital health, and the business of health and having written over 2,000 articles with many of them having been selected as Editors Choices. His articles have been read over 87 million times since January 2019. He is a regular contributor for [Psychology Today](#), where he has a regular blog called "A Funny Bone to Pick", maintains the "[Minded by Science](#)" newsletter on Substack, and serves on the D.C. Science Writers Association (DCSWA) board as well. Additionally, his writing has appeared in a number of other

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media outlets including [*The New York Times*](#), [*Time*](#), [*The Guardian*](#), [*MIT Technology Review*](#), [*STAT*](#), and [*HuffPost*](#).

He is a regularly sought-after speaker having given numerous invited talks and keynote presentations both in the U.S. and around the world. He and his work have regularly appeared on TV, radio, and leading print media such as *The New York Times*, *USA Today*, *the Los Angeles Times*, *Newsweek*, *CBS News*, *Good Morning America*, *the BBC*, *AL Jazeera*, *Businessweek*, *U.S. News and World Report*, *Bloomberg News*, *Reuters*, and *National Public Radio (NPR)*. Dr. Lee received his B.A. from Harvard University, M.D. from Harvard Medical School, and M.B.A. from the Stanford Graduate School of Business. He completed his internal medicine residency training at the University of California, San Diego. His Instagram and Twitter handles are [@Bruce Y Lee](#). For more information see bruceylee.com