

Kay See TAN-Candidate for RECOM



Employment:

Current Positions (as of DATE):

- Associate Attending Biostatistician in the Department of Epidemiology and Biostatistics at Memorial Sloan Kettering Cancer Center (2024 – present)
- Associate Professor of Research in Population Health Sciences at Weill Cornell Medical College, Cornell University (2025 – present)
- Adjunct Instructor in Biostatistics at Columbia University Irving Medical Center (2023 – present)

Prior Positions:

- Assistant Attending Biostatistician in the Department of Epidemiology and Biostatistics at Memorial Sloan Kettering Cancer Center (2014 - 2024)

Education:

PhD in Biostatistics, University of Pennsylvania (2014); MS in Biostatistics, University of Pennsylvania (2011); BA in Mathematics and Economics, Messiah University (2008).

Professional Innovation and Accomplishments (etc. research, teaching, management, leadership, and team-building):

My work centers on advancing statistical methodology and its application in oncology, particularly in clinical trials, biomarker evaluation, and predictive modeling. I have contributed to methodological innovations in analyzing high-dimensional biomarker data, longitudinal outcomes, and recurrent event processes, with applications spanning immunotherapy and cancer outcomes research.

At MSK, I serve as the lead or collaborating biostatistician on numerous early- and late-phase clinical trials, including studies of cellular therapies such as CAR T cells. I develop analytic strategies to address complex challenges such as treatment heterogeneity and dynamic immune responses.

Research Interests: My research interests include clinical trials methodology, cancer outcomes research, biomarker evaluation, longitudinal and survival analysis, and predictive modeling. I am particularly interested in developing methods for integrating high-dimensional biological data with clinical outcomes to improve risk stratification and treatment evaluation in oncology.

Publications: I am the author or co-author of over 200 peer-reviewed publications in leading journals including *Journal of Clinical Oncology*, *Cancer Discovery*, *Nature Medicine*, and *Cancer Cell*. My work spans both methodological contributions and collaborative clinical research in oncology, with a focus on translating statistical innovations into practical tools for investigators.

Honors Include: My honors include the Distinguished Student Paper Award from ENAR (2014) and the Saul Winegrad Award for Outstanding Dissertation from the University of Pennsylvania.

Service to the Profession (etc. ENAR and other professional societies):

Editorial Activities:

I currently serve on the Board of Statisticians for the *Journal of Urology* and previously served on the Editorial Board for the *Journal of Clinical Oncology*. I also regularly serve as a statistical reviewer for numerous high-impact journals across statistics, oncology, and medicine.

Service and Committee Work for the Profession:

I have been an active member of the International Biometric Society (ENAR) since 2011 and have contributed to the community through leadership, outreach, and program development. Most recently, I served as co-chair of the ENAR Fostering Excellence in Biostatistics Workshop, an initiative that brings together trainees, faculty, and professionals to expand access and participation in the field. Through this work, I have helped build sustainable pathways for students from underrepresented backgrounds to engage with biostatistics and connect with the ENAR community.

Beyond ENAR, I co-direct an NIH-funded data-driven research experience program that has trained dozens of students who have gone on to graduate study and careers in quantitative sciences. I also contribute to outreach programs that engage with high school students in New York City to promote statistical thinking and provide exposure to the field of Biostatistics and Data Science.

My service reflects a commitment to strengthening the statistical community through collaboration, training, and the development of inclusive pathways into the field. I aim to support the continued growth and engagement of the community across career stages.