



Susan Halabi, Ph.D.

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the James B. Duke Distinguished Professor of Biostatistics and Bioinformatics and Co-Chief of the Division of Biostatistics in the Department of Biostatistics and Bioinformatics at Duke University Medical Center. For over twenty-five years, she has been at the forefront of designing and analyzing clinical trials in oncology. Dr. Halabi develops novel methods for the design and analysis of clinical studies, including innovative variable selection techniques for biomarkers and high-dimensional data. She is deeply committed to ensuring statistical rigor in clinical research so that findings are both scientifically valid and meaningful to patients and society.

Dr. Halabi has authored over 320 peer-reviewed publications and co-edited two foundational books in the field: *Oncology Clinical Trials* (2nd Edition, Demos, 2018) and the *Textbook of Clinical Trials in Oncology* (CRC Press, 2019). A past president of the Society for Clinical Trials and the recipient of several prestigious awards, she is also a Fellow of the Society for Clinical Trials, the American Statistical Association, and the American Society for Clinical Oncology.

Areas of Expertise and Interest

Clinical Trials Design

- Phase I: Boin design
- Phase II
- Randomized phase II
- Biomarker Driven Trials
- Precision oncology (basket, platform, umbrella)
- Phase III Superiority and Non-inferiority trials

Clinical Trials: Analysis

- Prognostic and predictive modelling
- Development and validation of prognostic models
- Meta analysis
- Identification of surrogate endpoints

Advanced Analysis Statistical and Machine Learning

- Joint modeling of longitudinal and survival outcomes
- Analysis of multivariate outcomes and win ratio
- Meta-analysis and causal inference in observational and trial data

Message to YOW

- I am honored to serve as faculty and to have the opportunity to work with participants who are passionate about advancing oncology research and clinical trials. Over the years, I have participated in and led numerous workshops for young oncologists and clinical researchers in the United States and across the globe. These experiences have strengthened my dedication to mentoring and training the next generation of scientists and clinical trialists.
- This workshop has been designed to provide a dynamic learning environment, combining practical exercises, interactive discussions, and insights into contemporary clinical trial methodology. I encourage you to actively engage, ask questions, and share your perspectives, as your participation will make the experience richer for everyone.
- I look forward to meeting you, exchanging ideas, and supporting your growth as emerging leaders in oncology research and clinical trials. Together, I hope we can make this workshop both informative and inspiring.