



**Ravi Varadhan, Ph.D., Ph.D.**

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Ravi Varadhan, PhD, PhD, is an associate professor of Oncology in the Division of Biostatistics and Bioinformatics at the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins University. Dr. Varadhan is an expert in the area of patient-centered outcomes research, where he focuses on developing statistical methods that inform evidence-based individualized medicine. He has a particular interest in Bayesian methods for exploring heterogeneity of treatment effect (HTE). He has received funding from the patient-centered outcomes research institute (PCORI) to develop methods, guidance, and software for application of Bayesian techniques to HTE analysis. He is currently funded by the Food and Drug Administration to develop causal inference techniques for comparing brand to generic drugs. He has developed acceleration techniques and software for speeding up the convergence of the expectation-maximization (EM) algorithm. He has also developed numerous algorithms and software for solving high-dimensional optimization problems in statistical modeling. He has made important contributions to understanding the etiology of frailty in older adults. He is a Brookdale Fellow of Leadership in Aging.