

Dr. Trimble is a Professor of Gynecology and Obstetrics, Oncology, and Pathology at the Johns Hopkins University School of Medicine. She is a clinician scientist with expertise in human papillomavirus (HPV); molecular pathology; and immunology. Her research is focused on early clinical translation of strategies to intercept high-grade squamous intraepithelial lesions, the precursors to all cancers caused by HPV. She is internationally known for her studies demonstrating that it is possible to elicit a lesion-specific immune response in hosts who have had exposure to vaccine antigens. These studies also showed that immune responses elicited by peripheral therapeutic HPV vaccination are followed by striking immunologic changes in the mucosal microenvironment, including intense lymphoid aggregates and tertiary lymphoid structures. Being an anatomic pathologist allows her to deconvolute the lesion microenvironment to discern mechanisms of treatment response and treatment resistance. Insights derived from these bench studies inform the design of subsequent translational strategies, back to patients.

Dr. Trimble received her B.S.E. from Princeton University, an M.D. from Vanderbilt University and an M.A. in Science Writing at the Johns Hopkins University Writing Seminars. She completed training in anatomic pathology at Weill Cornell Medicine, in gynecologic pathology at Johns Hopkins, followed by a residency in obstetrics and gynecology at Johns Hopkins. Her studies in early translation have been funded by the NIH, by biotech (Inovio Therapeutics), and in-kind by Frantz Viral Therapeutics. She holds six investigator-initiated INDs. She has served as a standing NIH study section reviewer, as a speaker and session chair at AACR meetings, as Organizer and Co-Organizer of Keystone Symposia meetings, and as a Co-Organizer for the SITC Women in Cancer Immunotherapy Network (WIN) Leadership Institute annual meeting. She sits on the External Advisory Board of the Australian Cancer Research Foundation, and on the Scientific Advisory Board of the Keystone Symposia. She is a Senior Editor of Cancer Immunology Research.