



Chrystal M. PAULOS, MD, PhD

Biography

Chrystal M. Paulos, PhD, is Acting Associate Professor in the Department of Surgery and the Department of Microbiology and Immunology at Emory University School of Medicine. Prior to joining Emory, Dr. Paulos was the Cecilia and Vincent Peng Endowed Chair in Melanoma at Medical University of South Carolina. She also served as co-leader of the Cancer Immunology Research Program and director of the Adoptive Cancer Immunotherapy Program at Hollings Cancer Center in Charleston, South Carolina. Dr. Paulos holds professional memberships with American Association of Immunologists, International Society for Biological Therapy of Cancer and Society for Immunotherapy of Cancer.

Education

Dr. Paulos received her PhD in Biochemistry from Purdue University in West Lafayette, Indiana. She completed her post-doctoral training in gene therapy at University of Pennsylvania in Philadelphia, Pennsylvania, and in tumor immunology at the National Institutes of Health in Bethesda, Maryland.

Research

The objective of Dr. Paulos' research is to develop novel T cell-based therapies for patients with melanoma. Her laboratory seeks to identify mechanisms underlying protective immunity in solid tumors, with an emphasis on adoptive T cell transfer (ACT) therapy. By combining basic and translational understanding of human T cells in clinical studies with mechanistic studies in relevant mouse models and in investigator initiated clinical trials in patients, her research team has contributed significant insight into the various roles of how to mount T cell memory responses to tumors.

Publications

Dr. Paulos has published numerous articles in peer-reviewed journals including Nature, Science Immunology, and Journal of Clinical Investigation.