



Dr. Hadiyah-Nicole Green

Dr. Hadiyah-Nicole Green, one of the first African American women in the nation to earn a Ph.D. in physics, and only the second African American woman and the fourth African American to receive a Ph.D. in physics from the University of Alabama at Birmingham (UAB).

With more than ten years of interdisciplinary research experience, Dr. Green specializes in developing targeted cancer therapies using lasers and nanoparticles. Her expertise lies at the intersection of nanotechnology, immunotherapy, and precision medicine. She is noted for the development of several patent-pending cancer treatments that have had no observable side effects in laboratory mice, which is a preliminary study to testing with human subjects. The U.S. Department of Veteran Affairs (VA) recently awarded Dr. Green a \$1.1 million grant for the ongoing research of her 4-in-1 system for early detection, imaging, targeting, and selective treatment of head and neck cancers. More importantly, it supports the further development of a platform cancer therapy that uses laser-activated nanoparticles to completely eliminate tumors after a single treatment.