

CAPTAIN CARL H. JUNE '75, MC, USN (RET.)

Captain Carl H. June '75, MC, USN (Ret.), stood second in his class on graduation day, one of just eight midshipmen selected to attend medical school. He continued to excel at Baylor Medical School, where he graduated first in his class of 160 students.

Captain June completed his extensive clinical training in 1986, then embarked on an extraordinary career in medical research. Assigned first as a medical research officer in the Navy Tissue Bank at the Naval Medical Research Institute/Office of Naval Research, he became department head in 1993. While in the Navy, Captain June led a research group focused on improving medical care of combat casualties, work that resulted in more than 100 publications in scientific journals and more than 20 patents assigned to the Office of Naval Research.

While Captain June's work for the Navy initially focused on immunopathology and infectious diseases, he began to

develop interests in immunology that ultimately led to groundbreaking research into improving treatments for HIV/AIDS as well as leukemia and other cancers. Captain June's first wife, Cynthia, began battling cancer herself in 1995, which led Captain June to retire from the Navy but only galvanized his commitment to uncovering new ways to battle and eventually cure the disease. In 1999, Captain June left his positions with Bethesda Naval Hospital and the Uniformed Services University to establish his current lab at the University of Pennsylvania, where he is the Richard W. Vague Professor of Immunotherapy at the Perelman School of Medicine.

Cynthia June passed away in 2001. In the years that followed, Captain June continued to advance research begun for the Navy that showed that bone marrow reconstitution through gene therapy after radiation damage could cure leukemia. He patented the initial

“Dr. June has dedicated his career and his adult life to the betterment of mankind.”

—Admiral Jonathan W. Greenert '75, USN (Ret.)
30th Chief of Naval Operations



technology for the therapy, which is owned by the Navy and licensed to Novartis for use in the United States and overseas. Among many accolades surrounding Captain June's work in this area, *Science* magazine deemed it its "Number 1 Breakthrough" of 2011.

Captain June's contributions to science and human wellbeing have garnered a wide variety of honors from both government and civilian organizations. These include a Legion of Merit; the Dexter Conrad Award from the Office of Naval Research, the Navy's highest award for scientific achievement; the Frank Brown Berry Prize in Federal Medicine; the Federal Laboratory Award for Excellence in Technology Transfer; the Leukemia and Lymphoma Society of America's Lifetime Achievement Award; the Cancer Research Institute's Coley Award in Tumor Immunology; the American Society of Hematology's Ernest Beutler Prize; the Society for

Immunotherapy of Cancer's Richard V. Smalley Award; the American Association of Blood Banking's Landsteiner Memorial Award; and the City of Philadelphia's highest honor, the Philadelphia Award.

Elected to the Institute of Medicine of the National Academy of Sciences and the American Academy of Arts and Sciences, Captain June has five children and four grandchildren and lives in Merion, PA, with his wife, Lisa.