



NCI Alliance for Nanotechnology in Cancer

Researchers at the Stanford University Center for Cancer Nanotechnology Excellence and Translation (CCNE-T) are developing nanotubes for cancer diagnostics and therapeutics. As part of this work, they are applying advanced microscopic techniques to study and improve efficiency of how nanoparticles target cancer tumors in living mice. This image shows blood vessels (light blue) infiltrating a brain cancer (purple) in a live mouse. The high resolution achieved here enables single cancer cells to be visualized and allows direct observation and quantification of nanoparticle delivery and their targeting cancer cells.

Image Credentials: Bryan Smith, Ph.D., and Sanjiv Sam Gambhir, M.D., Ph.D.

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