



NCI Alliance for  
**Nanotechnology**  
 in Cancer

Researchers at the Texas Center for Cancer Nanomedicine (TCCN) are developing and applying a diverse array of nanoplatforms for new therapeutics, methodologies for reliable monitoring of therapeutic efficacy, early detection approaches from biological fluids, and advances in imaging, and cancer-prevention protocols for ovarian and pancreatic cancers. One project is developing spherical silica nanoparticles coated with gold that produce heat upon exposure to near-infrared light, enabling specific thermal destruction of cancer cells. Here, nanoshells (red) are observed traveling through the blood vessels of a human glioma grown in a mouse.

*Image Credentials: Jennifer L. West, Ph.D.; Emily Day, Ph.D.; Susan M. Blaney, M.D.; Patrick A. Thompson, M.D.; and Linna Zhang, M.D.*

**SEPTEMBER 2013**

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					