

New York City

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CUNY News



Dr. George John
(Courtesy of City
College of New
York)

MANHATTAN — Researchers at The City College of New York (CCNY) and Rice University have developed a low-cost, environmentally friendly technique for embedding antimicrobial silver nanoparticles into vegetable oil-based paints. The method, to be reported in the March issue (online January 20) of *Nature Materials*, could give homes and workplaces a new defense against germs by applying a fresh coat of paint. The CCNY/Rice team developed a “green chemistry” approach to synthesize metal nanoparticles in common household paints in situ without using hazardous reagents and solvents. “We extensively worked on poly-unsaturated hydrocarbon chain containing polymers/oils to devise a novel approach to nanoparticle formation” said Dr. George John, Professor of Chemistry at CCNY and lead author of the article. [See Press Release](#) [TOP](#)