

Nanobac Pharmaceuticals Inc. Announces Independent Study That Shows Nanobacteria Promote Gallstones

TAMPA, Fla. (August 10, 2006) — Nanobac Pharmaceuticals, Inc. **(OTCBB: NNBP)** (“Nanobac” or “the Company”) today announced the publication by independent researchers of a proof of concept that calcifying nanoparticles, also known as nanobacteria, promote disease.

The company also announced it is initiating a project to validate the findings in its own experiments, to be completed by year-end 2006.

In "*An Animal Model of Black Pigment Gallstones Caused by Nanobacteria*" published in the June edition of the peer-reviewed journal *Digestive Diseases and Sciences*, Dr. Limin Wang et al from Shantou University Medical College, Guangdong, China, established that calcifying nanoparticles cause black pigment gallstones in rabbits when injected into the gallbladder. The study concludes, "We successfully cultured nano-sized particles coated with hydroxyapatite from human gallbladder bile and confirmed that they were nanobacteria by their typical growth rates, optical properties, specific stainability with Hoechst 33258, and by immunologic methods. By the animal experiment, we demonstrated for the first time that black pigment gallstones could be promoted by nanobacterial infection."

Previously no-one has shown a cause of black pigment gallstones. This type of gallstone accounts for 10-15 percent of all gallstones in humans and afflicts millions of people worldwide annually.

"This finding shows that calcifying particles provoke disease in an animal model," said Nanobac Co-Chairman Dr. Benedict Maniscalco. "It establishes these particles as infectious agents that are closely tied to calcification diseases which afflict tens of millions of people. The study leaves no doubt that these particles play a central role in disease and merit a broad investigation by the medical and scientific community," he added.

The study was conducted independent of Nanobac Pharmaceuticals and was not funded from any corporate source. The company has committed funding to a project to validate the study findings. Work is expected to begin this month and be completed by year-end 2006. Nanobac is the only company with regulatory approval of diagnostics that can accurately identify these calcifying particles. The company is also expecting to start a clinical trial on a promising therapy for such stone-forming diseases by the fourth quarter of 2006.

Abstract of the study is now available at PubMed by entering the study title at this website:
<http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?DB=pubmed>

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About Nanobac Pharmaceuticals

Nanobac Pharmaceuticals, Inc. is a life sciences company dedicated to the discovery and development of products and services to improve people's health through the detection and treatment of Calcifying Nanoparticles (CNPs), otherwise known as "nanobacteria". The Company's pioneering research is establishing the pathogenic role of CNPs in soft tissue calcification, particularly in coronary artery, prostate, and vascular disease.

Nanobac's drug discovery and development is focused on new and existing compounds that effectively inhibit, destroy or neutralize CNPs. Nanobac manufactures In Vitro Diagnostic (IVD) kits and reagents for detecting Calcifying Nanoparticles. IVD products include a line of assays, proprietary antibodies and reagents for uniquely recognizing CNPs. Nanobac's BioAnalytical Services works with biopharmaceutical partners to develop and apply methods for avoiding, detecting, and inactivating or eliminating CNPs from raw materials.

Nanobac Pharmaceuticals, Inc. is headquartered in Tampa, Florida. For more information, visit our website at: <http://www.nanobac.com> .

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