

Postdoctoral Research Associate Medical Devices, Department of
Chemistry, University of North Carolina at Chapel Hill, Chapel Hill,
NC, USA

Position: Postdoctoral Research Associate in Medical Devices
Organization: University of North Carolina at Chapel Hill
Location: Chapel Hill, NC, USA

Description:

Professor Joseph DeSimone in the Department of Chemistry at the University of North Carolina seeks a Postdoctoral Research Associate to work in the area of medical devices. This position will broadly focus on the development of iontophoretic approaches for the delivery of therapeutics, including delivery of nanoparticles. Our group investigates complex particles for applications in the life science. We have developed a novel fabrication method called **PRINT**® (**P**article **R**eplication **I**n **N**on-wetting **T**emplates). **PRINT** takes advantage of the unique properties of elastomeric molds comprised of a low surface energy perfluoropolyether network, allowing the production of monodisperse, shape specific nanoparticles and particle arrays from an extensive range of organic and inorganic liquid precursors. The focus of the lab is the translation of promising molecular discoveries into benefits for patients using a pharmaco-engineering systems approach to develop the next generation of delivery systems with programmable multi-functional capability. This position offers a unique interdisciplinary experience and will provide training in the areas of chemistry, material science and medical device development. A background in biomedical engineering is highly desirable with experience in medical device development preferred.

Qualifications:

Ph.D. in biomedical engineering or related discipline.

Contact:

Please forward resumes to Vicki Haithcock, vph@email.unc.edu.

Questions can be addressed to Mary Napier, mnapier@email.unc.edu
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