Job Description – Postdoctoral Fellow

We are immediately seeking a post-doctoral candidate with outstanding chemistry and biochemistry experience. In particular, we seek applicants to synthesize DNA aptamers using a DNA synthesizer and to perform conjugation reactions, using published chemistry, to created targeted medical imaging, diagnostic or therapeutic agents. These nanomedicine applications feature DNA conjugation to silicon or gold nanoshells, dyes, or liposomes. The position will also involve using combinatorial bead-based DNA libraries to select next-generation X-aptamers that bind to live cells, tissues, or to proteins related to cancer or other conditions. Additional DNA modifications include base modifications with click-chemistry and sulfur substitutions. The successful applicant will work in well-funded productive labs (http://www.uthouston.edu/permalink/1002643/1000307, http://www.uthouston.edu/permalink/1310440/1000307) with many ongoing research projects.

Location

The Institute of Molecular Medicine for the Prevention of Human Diseases (IMM) is located within the Texas Medical Center, the largest medical center in the world, and is part of the Medical School of the University of Texas Health Science Center at Houston (UTHSC-H), one of the largest medical schools in the U.S. Being the fourth largest U.S. city, Houston features all amenities associated with large cities and nearby Galveston Bay and the Gulf of Mexico offer sailing and beach activities.

Requirements

Applicants should have a recent PhD in chemistry, biochemistry, nanomedicine or closely related field and good communication skills.

Benefits

The University of Texas Health Science Center at Houston (UTHSC-H) and The Institute for Molecular Medicine for the Prevention of Human Diseases (IMM) provide three weeks accrued vacation, plus additional holidays. Benefits package includes medical, dental, vision, disability and life insurance. Retirement plans include employer-matched plan plus 401K.

How To Apply

Highly motivated candidates with strong chemistry, biochemistry or nanomaterials experience and good communications skills are encouraged to send a letter, C.V. and the names of three references to:

Dr. David G. Gorenstein (David.G.Gorenstein@uth.tmc.edu) or

Dr. David E. Volk (David.Volk@uth.tmc.edu). **Tel: 409-789-8588**. **Fax: 713-500-0319**

UTHSC-H is an equal opportunity, affirmative action institution, which proudly values diversity. Candidates of all backgrounds are encouraged to apply.