Micro/Nanofluidics Engineer
Institute for Micromanufacturing
Louisiana Tech University

Louisiana Tech University invites applications for a tenured or tenure-track faculty position in the College of Engineering and Science, with a research association with the Institute for Micromanufacturing. Of particular interest are individuals with experimental research background and publication track record in micro/nanofluidics. The ideal candidate would be capable of developing integrated micro/nanosystems for lab-on-chip devices, would have experience with biomedical and/or biological applications, and would value high-quality instruction. The academic appointment will be in an engineering or science program, as appropriate to earned degrees. Louisiana Tech offers B.S. and M.S. degrees in several engineering disciplines, as well as an interdisciplinary Ph.D. program in Engineering and a Ph.D. in Biomedical Engineering. Special strengths include the Institute for Micromanufacturing (IfM), a 40,000 sq. ft. state-of-the-art research and development center with a broad range of fabrication and metrology resources dedicated to micro/nanosystems, a new 50,000 sq. ft. Biomedical Engineering Building (construction to be completed in Fall 2006), and active research programs in micro/nanotechnology, with emphasis on biomedical, chemical, environmental, and information technology.

The new hire will be expected to play a key role in multidisciplinary research efforts aimed at developing functional micro/nanosystems by complementing existing teams as well as developing and leading new projects. Excellence in the classroom is considered an essential, complementary element to a successful research program. Thus, the new hire will be expected to balance research with contributions to the academic program by teaching undergraduate and graduate courses, possibly the integrated freshman/sophomore curriculum, and training students as part of the research program. Qualifications of the successful candidate include distinguished scholarship and a research record in micro/nanofluidics, clear potential for securing and managing externally-funded research projects, strong communication skills, a multidisciplinary orientation, and an ability to work in a team-oriented environment. Candidates must have an earned doctorate in an appropriate engineering or science field.

Louisiana Tech University is an EEO/AA employer. Candidates that enhance the diversity of the university are encouraged to apply. Review of applications will begin immediately and will continue until a suitable candidate is identified. The starting date is September 1, 2006 or sooner.

Send applications (including CV, list of references, teaching philosophy, and a statement of current/future research interests and goals) to:

Chair, Micro/Nanofluidics Search Team
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