



Friday, September 09, 2005  
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## Post –Doctoral Research Fellowships (2)

The Georgetown Advanced Electronics Laboratory – Health Microsystems Group is an multidisciplinary research facility of the Physics Department ( [www.physics.georgetown](http://www.physics.georgetown) ) and of the GU medical Center's Pharmacology Department ( [pharmacology.georgetown.edu](http://pharmacology.georgetown.edu) ). Applications are invited for two openings within the group, commencing October 1, 2002. Areas of interest include thin film processing, SU8 structures, MEMS design and simulation, micro-fluidics, non-intrusive biomedical device and system integration. Doctoral degrees in physics, chemistry, chemical-, mechanical-, electrical-, or Biomedical Engineering completed within the last four years together with at least two years of research experience in one or more of the areas of interest above.

The successful candidate will be expected to take a leadership role in one or more R&D projects in the development of non-invasive biochemical detection microsystems. Some of the projects available include enzyme and antibody chemical bonding, electrochemical deposition, electrochemical analysis, FDA GP-compatible drug filling techniques, trans-dermal monitoring, device reliability and accelerated testing, and in-vitro bio-efficiency studies.

The initial appointment is for one year and is renewable for up to three years subject to mutual agreement and availability of research funding. A description GAEL is at the website: [www.physics.georgetown.edu/~gael](http://www.physics.georgetown.edu/~gael) . Applicants should submit electronically, an e-mail message together with three attached Microsoft Word – formatted document files, or Adobe PDF files:

- a) The Curriculum Vitae
- b) The names and electronic addresses of 2 references who may be consulted for letters of support.
- c) Copies of two representative publications and/or selected thesis chapters, preferably as PDF documents (Adobe portable document format), or URL addresses of these publications.

Professor John F CURRIE, P.E.,  
Director GAEL Health Microsystems

Professor Mak Paranjape (attending conference)  
Associate Director GAEL Health Microsystems

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