



University Fellowships and New Researcher Fellowships for 2004-2005

The Statistical and Applied Mathematical Sciences Institute (SAMSI) is soliciting applications from statistical and mathematical scientists for three SAMSI University Fellowships and three New Researcher Fellowships, to begin September, 2004, or January, 2005. Appointments for the University Fellowships are made jointly between SAMSI and one of its partner universities, while the New Researcher Fellowship appointments are made by SAMSI. New Researchers should have received their Ph.D. within the previous 8 years. Members of under-represented groups are particularly encouraged to apply.

SAMSI is a national institute formed by a partnership between the National Science Foundation and the consortium of Duke University, North Carolina State University (NCSU), the University of North Carolina at Chapel Hill (UNC) and the National Institute of Statistical Sciences (NISS). SAMSI is forging a new synthesis of the statistical sciences and the applied mathematical sciences with disciplinary science to confront the very hardest and most important data- and model-driven scientific challenges. With a directorate consisting of James Berger (Duke), H. T. Banks (NCSU), J. S. Marron (UNC), and Alan F. Karr (NISS), SAMSI is located at the NISS building in Research Triangle Park in North Carolina.

SAMSI programs planned for the year 2004-05 are:

- *Computational Biology of Infectious Disease*, with emphasis on both population dynamics (with topics ranging from epidemiology to evolution) and genomic dynamics (Fall 2004 – Spring 2005).
- *Social Sciences*, with focus on use of latent variables at the interface of multilevel and structural equation modeling, longitudinal analysis, social networks and causality (Fall 2004 – Spring 2005).
- *Data Assimilation*, with emphasis on model adaptation, assimilation of data in coupled models, optimal design for data assimilation, and assimilation of non-prognostic variables (Spring 2005).

SAMSI University Fellows and New Researcher Fellows will participate in one or more of these research programs, in collaboration with statisticians, applied mathematicians and disciplinary scientists from universities, industry, national laboratories and government agencies. SAMSI University Fellows will also join regular academic life at one of SAMSI's partner universities, including teaching a seminar or course at the university or at SAMSI.

Appointments will ideally be for one year, although appointments for one semester can be considered. The available salary is at most a half year's support for SAMSI University Fellows and \$20,000 for new researchers, and so is ideal for sabbatical visitors with partial support from their home institutions.

Interested individuals should contact fellows@samsi.info for more information. Formal applications will require a letter of interest containing addresses (including E-mail), telephone numbers and a current CV. The items should be submitted electronically, as PDF files if possible (Microsoft Word and PostScript are also acceptable), and sent to fellows@samsi.info. Those preferring to submit applications by mail, can send them to SAMSI, P.O. Box 14006, Research Triangle Park, NC 27709-4006. The deadline for full consideration is February 15, 2004. Later applications will be considered as resources permit. Appointments may be made at any time.

SAMSI is an AA/EEO employer