

TENURE-TRACK FACULTY SEARCHES

in the

School of Natural Sciences and Mathematics (SNSM)

College of Arts and Sciences, University of South Florida, Tampa, FL 33620

SNSM at USF invites applications for *six tenure-track faculty positions in the application of theory/computational science and/or mathematical/statistical modeling to biomedical sciences, global change sciences or materials science*. These positions are directed at the enhancement of interdisciplinary research and teaching in ongoing School research clusters. Specifically, the positions will simultaneously strengthen the Computational Theory and Practices research cluster in SNSM, and provide interdisciplinary expansion of three additional research clusters in the areas of Biomedical Sciences, Global Change Sciences and Materials Science. Each of these faculty positions will have a tenure home in one or more of six constituent departments in SNSM including Cell Biology, Microbiology & Molecular Biology; Chemistry; Geology; Integrative Biology; Mathematics & Statistics; and Physics. These positions are at the Assistant Professor level, but an Associate Professor appointment may be considered commensurate with qualifications and experience, and based on the availability of funding. Applicants will be expected to develop a vigorous, externally funded research program in one or more of the research cluster areas. It is anticipated that these interdisciplinary hires will leverage shared infrastructure and interactions in SNSM research clusters with existing computational and experimental research efforts, illustrative examples of which include but are not limited to:

Biomedical Sciences: *Biomechanics, biotechnology, drug discovery and delivery, functional genomics, imaging science (including biomedical imaging), mathematical physics, metabolomics, numerical analysis, proteomics, statistical modeling of large data sets, structural and computational biology, systems biology;*

Global Change Sciences: *Biogeochemistry, coastal science, conservation biology, disease biology, environmental detection and monitoring, evolutionary biology, freshwater biology and pollution, global change biology, hydrogeology, invasive species, laser science, marine biology, numerical analysis, natural hazards, statistical modeling of large data sets;*

Materials Science: *Biomaterials, energy-related materials, magnetic materials, mathematical physics, metal-organic materials, nanomaterials, numerical analysis, photonic materials, polymers/soft condensed matter, structural crystallography, theory and simulations of materials.*

Further information regarding these efforts is available on the SNSM departmental websites at <http://biology.usf.edu/cmmb>; <http://biology.usf.edu/ib>; <http://chemistry.usf.edu> ; <http://geology.usf.edu>; <http://math.usf.edu>; and <http://physics.usf.edu>.

The School of Natural Sciences and Mathematics has 120 full-time faculty members with external research funding of \$47M. Further information regarding SNSM is available at <http://sciences.cas.usf.edu>. The University of South Florida is a high-impact, global research university dedicated to student success. USF ranks 50th in the nation for federal expenditures in research and total expenditures in research among all U.S. universities, public or private, according to the National Science Foundation. Serving more than 47,000 students, the USF System has an annual budget of \$1.5 billion and an annual economic impact of \$3.7 billion. USF is a member of the Big East Athletic Conference.

Application information: Applicants should use the ***Online Application Link*** given below to submit their letter of application, curriculum vita and publication record, a completed teaching and research questionnaire (found at: <http://sciences.cas.usf.edu/careers/>) The application letter should describe the relevance of the proposed research and teaching plan to existing SNSM research clusters and indicate the desired departmental affiliation/affiliations for tenure. All applications completed by **January 4, 2013** will be given full consideration, although the search will continue until the positions are filled. The applicants should also arrange to have at least three letters of recommendation sent to:

Charles Connor, Interim Associate Dean
Office of Research and Scholarship
College of Arts and Sciences
4202 E. Fowler Avenue, CIS1040
Tampa, FL 33620

Online Application Link: <https://employment.usf.edu/applicants/Central?quickFind=60541>

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