# COMPUTATIONAL CHEMICAL BIOLOGY

### (Associate / Full Professor)

The University of North Texas (UNT) has embarked on a major multi-year university initiative to hire new faculty and make major infrastructure changes to enhance and expand research. UNT is seeking to fill multiple faculty positions, largely at the senior level, to join with existing faculty to build fifteen cross-disciplinary research clusters in strategically selected areas (http://research.unt.edu/clusters). The new faculty members will have significant opportunities to shape expansion and growth of the clusters.

UNT invites applications for a senior (Associate or Full) faculty position in computational chemical biology to be part of the Computational Chemical Biology Cluster. Go to http://c3b.unt.edu for more information on the cluster. The candidate will have an established international reputation with an active, externally funded research program and an earned doctorate in chemistry, chemical biology, biochemistry, scientific computing, or a related field. The area of specialization is broadly defined, but we particularly seek candidates who complement existing strengths. Candidates will interact with current and future faculty hires in chemistry, physics, biochemistry, biology, engineering, mathematics, and computer sciences, and support the instructional goals of the university at both the undergraduate and graduate levels. The home department of the candidate will be determined by experience and research program, with joint appointments strongly encouraged.

Additional preferred qualifications for the Computational Chemical Biology position include:

- Applicants who use chemistry to advance molecular understanding of biology via computational approaches.
- Applicants with experience in areas such as cheminformatics, protein-protein interactions, computer-aided drug design, biophysics, protein structure and function, and computational pharmacology and toxicology.
- Applicants developing novel methodologies (i.e., codes for translational architectures new to scientific computing, design of intelligent database systems) for chemical biology modeling are especially preferred.

All applicants must apply online at http://facultyjobs.unt.edu/applicants/Central?quickFind=51576. Applicants must provide curriculum vitae with contact information with their online application. Finalists will be asked to provide contact information for four professional references. Review of applications will begin on November 15, 2011, and will continue until the search is closed.

UNT is the home of the Center for Advanced Scientific Computing and Modeling (CASCaM) (http://cascam.unt.edu/), an interdisciplinary center of excellence in advanced scientific computing and modeling, encompassing computational chemistry, bioinformatics, condensed matter theory, fluid/particle dynamics as well as atomistic, mesoscale, and continuum level modeling of advanced materials. Several national centers are affiliated with CASCaM including an NSF Chemical Bonding Center and a DOE Energy Frontier Research Center.

UNT is located in the Dallas-Fort Worth (DFW) metroplex and is 30 minutes from the DFW International Airport. DFW is an area of more than six million people, with significant economic growth, low cost of living, numerous industries, and excellent school districts. The area and the university provide excellent cultural and educational opportunities as well as exceptional employment opportunities.

For further inquiries on the position and/or department, please contact us at c3b@unt.edu.

The University of North Texas is an AA/ADA/EOE committed to diversity in its educational programs.