

University of Iowa Postdoctoral Fellow

Computational postdoctoral fellow: We are seeking an enthusiastic candidate who is interested in developing computational algorithms to solve problems in Systems Biology of gene regulation. Possible topics to work on include: i) identification of functional DNA elements using epigenetic signatures; ii) modeling of the combinatorial effects of transcription factor binding, nucleosome occupancy, and chromatin modifications on gene expression; iii) network-based approach to identifying new disease genes and disease-related sub-networks.

The applicants should have a Ph.D. degree in computational biology or a related discipline (computer science, statistics, biology, physics, and mathematics). Strong computer programming (perl/python, C/C++, Java, Matlab, R) and analytical skills are essential. An established track record (as evidenced by publications in peer-viewed journals) in biological sequence and network analyses is a significant plus.

The Carver College of Medicine of University of Iowa is among the top ten public medical schools in National Institutes of Health funding. The Department of Internal Medicine and the College of Medicine house internationally and nationally recognized centers across the biomedicine disciplines.

The University of Iowa is situated in Iowa City, Iowa, a medium-sized mid-western city of approximately 75,000 people. Iowa City is culturally very rich, maintaining outstanding communities in the arts, sciences, and literature. USA Today listed Iowa City as the third best-educated city in the nation and Forbes Magazine ranked Iowa City among the top 10 small metropolitan areas for business. Iowa City is a safe and inexpensive place in which to live with a quick and easy commute to the University from anywhere within the city.

Interested candidates please send a CV, a cover letter stating research interests and qualifications, and references to Dr. Kai Tan, 2294 CBRB, Department of Internal Medicine, University of Iowa, Iowa City, IA, 52242, or email: kai-tan@uiowa.edu.