

October 3, 2014

One or two postdoctoral positions are available immediately in Oncinfo Lab, Department of Computer Science at Texas State University.

### **Position description**

The successful candidates will contribute to development and application of cutting edge computational methods to analyze RNA-seq and other expression data from large cohorts. They will contribute to highly collaborative studies which are designed to infer biological information from gene networks by modeling data using Bayesian networks, co-expression networks, and so on. Network analysis can provide useful biological insights such as identifying the causal relationships between genes and discovering gene modules associated with diseases. The results are expected to be published in highly ranked journals.

Dr. Habil Zare is the founder of Oncinfo Lab which has active collaborations with the British Columbia Cancer Agency, an outstanding research reputation in oncology throughout the world. Also, Oncinfo Lab collaborates with R&D departments of top pharmaceutical companies such as Pfizer and Novartis. See <http://oncinfo.org/> for more details. Texas State University is located in Greater Austin Area, Texas. It is an Emerging Research University aiming to become a National Research University in the future. It is an Equal Opportunity and Affirmative Action Employer and encourages applications from women and minority candidates.

Salary is competitive, in the range of **\$50K-\$60K**, and commensurate with experience. Benefits and an excellent work environment are offered. Cost of living is relatively low in Texas and there is no state tax on income.

### **Qualifications**

**Required:** Applicants should have a PhD by the time of appointment with a strong background in molecular biology and computer programming. However, exceptionally strong candidates with either background who are highly motivated for learning new concepts and developing novel techniques will be considered. Ability for critical thinking and independent learning, excellent written and oral communication skills and a strong record in publishing scientific papers are essential.

**Preferred:** Above average knowledge in machine learning, mathematics, computational biology, bioinformatics, statistics, R, prior postdoctoral experience in a related field, or experience in multidisciplinary research can increase chance for acceptance.

### **Application procedures**

Interested candidates are encouraged to email a current CV and a cover letter to Dr. Habil Zare. While positions are open until filled, all application materials should be submitted by October 15, 2014 to ensure full consideration. Visit [http://cs.txstate.edu/~h\\_z14/](http://cs.txstate.edu/~h_z14/) for the PI's contact information.