A postdoctoral position is available in the Cowell research group in the Division of Biomedical Informatics, Department of Clinical Sciences - UT Southwestern Medical Center, Dallas, Texas.

Dr. Cowell's group focuses on developing novel approaches to analyzing antigen receptor repertoires from high throughput sequencing data. The group is currently developing VDJServer, a web resource providing a data management infrastructure and a suite of interoperable analysis tools for antibody and antigen receptor sequencing data. The postdoctoral candidate will focus on the development of novel algorithms and approaches to repertoire sequence analysis, with those methods to be incorporated into VDJServer. The candidate will have the opportunity to be involved in numerous collaborative projects with clinical application, such as applying repertoire sequence analysis in the context of cancer prognosis and treatment.

Successful applicants will have experience with high throughput sequencing data, development and application of sophisticated data mining approaches (e.g. machine learning), and high competency programming in object-oriented languages such as C++ or Java and scripting languages such as PERL, Python or R.

Candidates must hold a Ph.D. in Bioinformatics, Computational Biology, Computer Science, or a related field, and have experience in bioinformatics and scientific programming.

Interested individuals should send a CV, statement of research interests, and contact information for two references to:

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