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Join our dynamic team of researchers at the cutting edge of developing and applying translational and computational data science methods to autoimmune disease research. Dr. Joel Guthridge and Dr. Judith James are seeking a Post-Doctoral Fellow, Staff Scientist, Biostatistician or Bioinformatician specialist to be part of the team working to apply precision medicine and molecular phenotype classification approaches to clinical and translational autoimmune disease research. The successful candidate will help lead efforts to apply computational and new statistical tools to molecular phenotype pipelines for patient characterization and stratification, assist with data analysis, modeling, visualization, interpretation and quality control of clinical and basic science data and provide input to biomedical research scientist presentations and publications regarding rigorous and appropriate analytic approaches. We have access to an extensive curated electronic clinical research health record and experimental data warehouse. The team utilizes high throughput biomolecular assays, deep cellular phenotyping, single cell genomic and proteomic methods through our Human Phenotyping Core. We also have access to high performance computational resources both in-house and through cloud-based resources.

Minimum Qualifications:

Doctorate in Biostatistics, Bioinformatics or related quantitative field. Evidence of applied analysis experience essential. Demonstrated computer (UNIX, R or similar statistical package) and communication skills. Must be efficient with time and project management, with a strong organizational ability with exquisite attention to detail. Must have the ability to multi-task and work both independently and as a member of an interdisciplinary team with complementary skill sets.

Preferred Qualifications:

Programming skills, data visualization and ability to develop meaningful interfaces for end-users to access high-dimensional data in a meaningful way are highly desired. Exposure to biomedical, genetic and/or clinical research preferred. Experience with univariate and multivariate analyses, clustering, pathway, genetic and genomic data analyses and bioinformatics is helpful. Experience or training in database design, development, implementation and data structures are also helpful.

Physical Demands:

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