



University of Michigan
Department of Computational Medicine & Bioinformatics



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Research Lab Specialist Associate

Job Summary:

Applications are invited for a Research Lab Specialist Associate position in the laboratory of Dr. Steve Parker in the Departments of Computational Medicine & Bioinformatics and Human Genetics at the University of Michigan Medical School. The major goal of the lab is to generate mechanistic knowledge about how disease susceptibility is encoded in the non-coding portion of the genome, with a focus on type 2 diabetes. We will accomplish this through an interdisciplinary combination of molecular/cellular and computational methods. Specifically, we will generate multiple high-throughput data sets on the genome, epigenome, transcriptome, and proteome across species and in disease-relevant tissues/cells and use computational approaches to integrate and analyze this data. The lab culture is one of openness, scientific rigor, friendliness, and general good humor. For more information, please see the Parker lab website: <http://theparkerlab.org>

The applicant will help organize and lead research projects involving molecular biology, genomics, and genetics, which involves critical evaluation and presentation of scientific literature. In collaboration with senior research faculty and personnel, participates as skilled individual contributor and/or lead researcher on one or more research projects serving as expert in specialized area. Responsible for administrative, financial, and planning aspects of projects. Investigates, modifies and applies new procedures, techniques or applications of technology, integrating new findings in field of study. The position will focus heavily on human molecular genetic techniques including cell culture, PCR, qPCR, gel electrophoresis, cloning, DNA and RNA isolation, and library preparation for high-throughput sequencing. The candidate will be responsible for processing human tissue samples and cultured cell lines for these analyses. The candidate will work both independently and in a team environment for the collection of data and analysis of research results. In addition, the candidate will be open to learning new cutting-edge methods and techniques as research opportunities develop and directions change. The candidate will be expected to perform basic laboratory maintenance and ordering as well as maintaining compliance with University of Michigan safety and lab regulations.

Qualifications:

B.S. in Cell Biology, Molecular Biology, or related field and 3-5+ years of experience in a molecular biology lab setting with excellent cell culture and qPCR skills. M.S. degree or higher and more experience is preferred. The candidate should have strong written and oral communication skills, maintain laboratory records, have the ability to work under deadlines with general guidance, and to contribute to manuscripts, grants and presentations. English language proficiency is required.

To apply, send a CV, brief cover letter describing your research experiences and ongoing research interests (including specific interest in this lab), and contact information for three references to Dr. Steve Parker at scjp@umich.edu.