

**Post-Doctoral Position**  
**University of Pennsylvania – Perelman School of Medicine**

The Voight lab invites applications for a wet-lab Post-Doctoral position at the University of Pennsylvania School of Medicine, within the Departments of Systems Pharmacology and Translational Therapeutics and Genetics. The lab focuses on translating discoveries from human genetics data into insights about the biological basis and genetic architecture of human disease (ultimately toward developing new therapeutics targets for human disease), and understanding selection during recent human evolution.

**Objectives:**

The candidate will have the opportunity to lead several key wet-lab projects, either newly initiated or those that are ongoing. Examples include: targeted re-sequencing of non-coding functional sequences implicated in type 2 diabetes; high-throughput cellular screens in multiple, human relevant tissues to identify genes implicated in the etiology of type 2 diabetes and heart disease; genetic engineering in model systems; molecular profiling (histone modification, open chromatin, etc.) of cells or primary tissues relevant for cardiometabolic disease, or experiments to construct novel biomaterials derived from spider silk gene sequences. The applicant will work closely with computational scientists in the lab, to guide project deliverables and to generate new opportunities for research. These ties will also allow the candidate the opportunity to develop their quantitative skills, with computational projects that complement and synergize with experimental efforts at the wet-lab.

**Qualifications:**

1. The candidate will have a MD, PhD, or equivalent doctorate, with a strong background in one or more of the following areas: genetics/genomics, molecular biology, biochemistry, or an equivalent area.
2. The ideal candidate will demonstrate a working proficiency across a broad range of wet-lab experimental techniques.
3. Specific expertise with cellular and molecular biology techniques as relevant to study of type 2 diabetes, including, but not limited to, cell culture of beta cells, adipocytes and other relevant cell models, physiological investigation of insulin secretion and insulin responses, cloning, RT-PCR, nucleic acid sample preparation, and willingness to develop and derive new protocols for functional applications.
3. The ideal candidate will have a track record of scientific productivity and leadership, with excellent experimental planning skills and a strong commitment to work to timelines and project goals.
4. Must demonstrate an ability to interact with an interdisciplinary group of scientists.

**Application Instructions:**

To apply, please send (i) a cover letter that includes the names and contacts for three references and a short statement of research interests, and (ii) a current CV to: Benjamin Voight, PhD ([bvoight@upenn.edu](mailto:bvoight@upenn.edu)). Further information about the lab can be found at: <http://coruscant.itmat.upenn.edu>