

## **Johns Hopkins All Children's Institute for Fundamental Biomedical Research (IFBR)**

### ***Endocrinology, Diabetes and Metabolism Basic Science Research***

This position is for a highly motivated postdoctoral research fellow looking to work on exciting projects in basic science in the field of endocrinology, diabetes and metabolism research. This laboratory is located in beautiful, sunny St. Petersburg, Florida, at Johns Hopkins All Children's Hospital's Institute for Fundamental Biomedical Research.

#### **Responsibilities:**

The postdoctoral research fellow is responsible for all aspects of molecular biology research, including DNA, RNA and protein techniques. Must possess skills in and understanding of RNA-sequencing and genomics, and preferred to have additional experience in analyzing metabolomics data, proteomics data and lipidomics data. Study of mouse physiology and metabolism with studies focused on liver metabolism and innate immunology will occur. These techniques include tissue isolation and extract preparation, bone marrow transplant, chemical and biochemical assays, histology coupled with immunohistochemistry as well as general mouse colony management and handling. The postdoctoral research fellow will develop projects and collaborations, be involved in reviewing and writing grant proposals and supervising students. The fellow will receive mentoring by the PI and will be encouraged to learn new techniques, improve their collaborative research, obtain funding and attend national conferences.

#### **Required Knowledge, Skills and Abilities:**

Knowledge of complex scientific procedures and techniques focused on metabolism with emphasis on the liver and isolated macrophages; knowledge and practical experience in macrophage biology, cell biology, molecular biology, transcriptional/post-transcriptional gene regulation, liver physiology and histology and experience with *in vivo* mouse studies. Candidate is expected to learn new techniques as necessary. Candidate is expected to demonstrate successful publication in reputable journals with at least one prior first author publication.

#### **Training and Career Development Plan:**

This postdoctoral research fellowship position is designed to prepare the fellow for an independent academic career in endocrinology, diabetes and metabolism research or similar position in industry. Focus will be on scientific productivity in research, publication in high impact journals and successful extramural funding.

#### **Education:**

M.D., Ph.D. or Ph.D. in Biological Science field or similar

#### **Work Environment:**

Biomedical research Laboratory environment; requires working with animal cells/cell lines, blood and tissue.

#### **To apply:**

Send CV including references and a cover letter/personal statement to PI: Timothy Osborne. E-mail: [tosborn9@jhmi.edu](mailto:tosborn9@jhmi.edu).

Women and minorities are highly encouraged to apply. Johns Hopkins University is an equal opportunity employer.