Employment Opportunities

Available job openings and postdoc positions at VUMC and other institutions.

NEW

Two Postdoctoral Positions Available at the Lund University Diabetes Centre: Using iPS cells to analyze genetic variants controlling beta-cell function in health and disease.

Click here for more information >>

Specific aim for fellows: Understand how gene variants cause beta-cell dysfunction in Type 2 Diabetes.

The fellows will employ cultured clonal rodent and human b-cells as well as induced pluripotent stem cells (iPSC) to examine the impact of genetic variation with functional read-outs. The fellow will use RNA interference (RNAi) and genome editing tools (CRISPR/Cas9), all established techniques in the laboratory, to manipulate genes of interest. The consequences of these manipulations for insulin secretion as well as for beta-cell function and metabolism will be analyzed by an array of biochemical assays. We also have access to novel imaging tools to monitor cellular second messenger systems and metabolism.

Specific requirements of candidates: A PhD in a relevant area, e.g., diabetes/metabolic diseases, cellular imaging and cell culture methods, less than 2 years ago is required. Experience of stem cell biology and/or genome editing will be of particular importance. The candidates should be highly motivated and prepared to drive their own research, including mentoring of junior colleagues. The scientific track record (e.g., published work in international scientific journals and participation in international scientific meetings) will be of great merit.

PIs: Hindrik Mulder and Malix Fex

Post-Doctoral Position Available in Mauvais-Jarvis Lab at Tulane University.

Click here for more information >>

Our group is seeking a candidate for a post-doctoral position in a groundbreaking area of diabetes research. The Diabetes Discovery Research and Gender Medicine Laboratory focuses on identifying the molecular mechanisms underlying sex differences in diabetes, obesity and metabolic syndrome. The candidate will use genetic, molecular and physiological tools; study mice with conditional knockouts of steroid hormones receptors, transgenics that interrogate the role of sex chromosomes as well as human cell culture models in highly controlled environments.

The successful candidate will hold a Ph.D. or M.D., be self-motivated, show interest in diabetes research and will have significant experience in cell culture, standard biochemical and molecular biology techniques and immunohistochemistry. Experience in islet...
biology or in vivo metabolism is preferable. Salary will be determined based on previous experience. Please email a cover letter with research interests and curriculum vitae, including the contact details of three references with relation to applicant, to Franck Mauvais-Jarvis, MD, PhD, Department of Medicine, Section of Endocrinology, Tulane University Health Science Center, School of Medicine in New Orleans.

Email to fmauvais@tulane.edu

3 Postdoctoral Research Associate Positions available!!

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The preferred candidate should have a solid background in immunology, genetics, cell/molecular biology or cell physiology, a strong interest in research, as well as excellent analytical, oral and written communication skills. Applicants must possess good problem solving and organizational skills, as well as demonstrate the ability to independently design and conduct experiments, and complete research projects. Applicants must also have a minimum of two-first author peer-reviewed publications and references that indicate a strong history of teamwork and interpersonal skills. Individuals with extensive experience in either immune phenotyping, genome editing, histological and microscopic analysis, live cell imaging, cellular metabolomics, maintenance of primary/stem cell cultures, genome-wide transcriptomics analyses, and mitochondrial metabolism are especially desirable. Candidates must possess an M.D. and/or PhD and less than three years of prior post-doctoral experience.

The salary is commensurate with qualifications & experience. The positions will remain open until filled. The anticipated start date is September 1st, 2018. Please send applications with detailed CV, cover letter (including a statement noting which of the above indicated research projects is of interest) and three letters of recommendation to:

Mark A. Atkinson, PhD.
Director, UFDI
Department of Pathology
University of Florida
Gainesville, FL 32608-0275 USA
atkinson@ufl.edu

Post-Doctoral Research Position
Bellvitge Biomedical Research Institute - CIBERDEM
Barcelona, Spain

Postdoctoral researcher with experience in the cellular and molecular biology of pancreatic islets. The candidate will develop a research project in regenerative medicine and cell therapy in diabetes.

Accepting applications from June 15th to June 29th.

Click here for more information and to apply >>
Post-Doctoral Position in Experimental Diabetes Research
Department of Neuroscience and Physiology
University of Gothenburg
Sweden

We are seeking a highly motivated and talented person for investigating the molecular mechanisms underlying type 2 diabetes with the long-term goal of finding new anti-diabetic treatments. The successful applicant will have a key role in a project that is in the forefront of metabolic research. The project is truly translational and will utilize human pancreatic islets as the starting point to identify the physiological and gene expression changes that contribute to defective insulin secretion in type 2 diabetes. The candidate will study human islets physiologically and work closely with experts on single-cell RNA sequencing to study the associated gene expression changes. The candidate will also study different functional pools of islet cells to identify the characteristics of high- and low-responding cells in order to better understand the pathophysiology. The human studies will be combined with studies on rodent tissues. We aim to translate the most relevant findings to our patient cohorts both to validate the disease relevance of the findings and to identify new means to counteract disease progression in patients (as in e.g. Rosengren AH et al., Science 2010, Tang Y et al., Science Translational Medicine 2014, Axelsson AS et al., Science Translational Medicine 2017).

The candidate will work closely with Anders Rosengren, Patrik Rorsman and Anders Ståhlberg at the University of Gothenburg and will have a central role in a joint effort to better understand the pathophysiology of defective insulin secretion in type 2 diabetes and how to treat it. The candidate will be part of the Wallenberg Centre for Molecular and Translational Medicine in Gothenburg. The project has a clear experimental focus, but the candidate will also have extensive contact with the clinical members of Anders Rosengren’s research group, which gives the project a high patient relevance and enables effective translations of the experimental findings.

Click here for more information and to apply>>
Diabetes Discovery Research and Gender Medicine Laboratory  
Tulane University  
New Orleans, LA

Our group is seeking a candidate for a post-doctoral position in a groundbreaking area of diabetes research. Our laboratory focuses on identifying the cellular and molecular mechanisms of sex differences underlying the risks of diabetes, obesity, and metabolic syndrome with a specific focus on islet biology and dysfunction. The candidate will use genetic, molecular and physiological tools to study mice with conditional knockouts of steroid hormones receptors as well as human cell culture models in highly controlled environments. The applicant will gain a full understanding of the biological processes at the root of obesity, insulin resistance, β-cell dysfunction and diabetes, and the ability to demonstrate that modulating sex steroid actions can have a therapeutic impact on these diseases.

The successful candidate will hold a Ph.D. or M.D., be self-motivated, show interest in diabetes research and will have significant experience in cell culture, standard biochemical and molecular biology techniques and immunohistochemistry. Experience in islet biology or in vivo metabolism is preferable. Salary will be determined based on previous experience. Please email a cover letter with research interests and curriculum vitae, including the contact details of three references with relation to applicant, to Franck Mauvais-Jarvis, MD, PhD, Department of Medicine, Section of Endocrinology, Tulane University Health Science Center, School of Medicine in New Orleans.

Email to fmauvais@tulane.edu

Click here for more information >>

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Postdoctoral Fellowship in Diabetes Research  
Lund University Diabetes Centre  
Malmo, Swenden  
Unit of Molecular Metabolism

Click here for more information >>

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Postdoctoral Position  
Montreal Diabetes Research Center  
University of Montreal Hospital Research Center  
Poitout Laboratory

*Send cover letter and C.V., plus 3 references, to Dr. Vincent Poitout at vincent.poitout@umontreal.ca*

Click here for more information >>
Tenure Track Faculty Position
Assistant or Associate Professor
Regenerative Medicine and Cell Biology

Postdoctoral Fellowship Opportunity in Beta Cell Regeneration for Diabetes