

Job Posting Title: Post-Doctoral Fellow/Trainee in Developmental Origins of Health and Disease

Position Information:

A post-doctoral fellowship is available in the laboratory of Dr. Jacob E (Jed) Friedman, new Director of the Harold Hamm Diabetes Center at the University of Oklahoma Health Sciences Center. A major leadership gift of \$34 million has allowed for the expansion of laboratories and Endowed Chairs for research on developmental origins of disease (DoHAD). We are seeking highly motivated and independent postdoctoral fellows, with expertise in nutrition and the molecular or clinical aspects of obesity, diabetes or its complications, specifically in the liver, adipose biology, or innate immune system. Dr. Friedman's research projects provide opportunities to have major, positive impacts on human medicine by investigating how maternal obesity impacts the development of establishment of the innate immune system (bone and liver) and development of obesity and non-alcoholic fatty liver disease *in Mouse, Monkey and Man*. The lab also has funded projects focusing on nutrition and microbiome development and biomarkers of disease in humans and mouse models.

Expertise in assessment of the effects of nutrition on the development of adipose, liver, immunity, or microbiome is desired. Responsibilities will include working with mice, routine cell culture, protein and RNA isolation from cells and tissue, Western blotting, and tools for investigating epigenetics or cell transcriptomics in bone-marrow and liver-derived cells. The ideal candidate will be reliable, personable, highly motivated, and have demonstrated the ability to work independently. This is an excellent opportunity to join a highly integrative, translational and productive research group, with high impact papers in top journals including PNAS, JCI, Nature Communications, and Cell Reports.

<https://medicine.ouhsc.edu/Academic-Departments/Physiology/Faculty/jacob-e-jed-friedman-phd>

Dr. Friedman's lab has state-of-the-art equipment including a Cytation 5 multi-mode imager, a Jess Simple Western system, and a QuantStudio 6 real-time PCR machine. Campus shared resources and cores include: Tissue Banking and Pathology; Biostatistics and Research Design; Mass Spectrometry / Proteomics; DNA Sequencing / Genomics; Flow Cytometry / Imaging; Diabetic Phenotyping; Germ-Free Facility; Non-Human Primates, and Mobile Health (mHealth) Technology Network (NCTN), with robust pilot funding and training grants in diabetes, cancer, gerosciences, and developmental immunology.

Qualifications:

- Graduation from an accredited college or university with a PhD in nutrition, physiology, immunology, molecular biology, biochemistry, cell biology, or closely related fields
- Minimum of 2-3 year(s) experience in working with in vivo models relevant to obesity.
- Excellent communication skills
- Proven ability to work independently within a research lab.
- Demonstrated proficiency in computer software (Microsoft Office, SAS), standard laboratory equipment operation, and research technical skills

Salary & Benefits:

Salary will be based on the NIH stipend scale and will be commensurate with skills and experience. The University of Oklahoma Health Sciences Center offers postdocs most employee benefits.

Applicant Instructions

- Applicants may apply directly to Dr. Jacob Friedman, Director Harold Hamm Diabetes Center at: jed-friedman@ouhsc.edu
- Required application materials:
 - Cover letter
 - Resume/Curriculum Vitae
 - Contact information for a minimum of [3] professional work references

The University of Oklahoma medical campus is committed to providing a safe and productive learning and living community. To achieve that goal, we conduct background investigations for all final applicants being considered for employment. Background investigations include a criminal history record check, and when appropriate, a financial and/or motor vehicle history.

*The Immigration Reform and Control Act requires that verification of employment eligibility be documented for all new employees by the end of the third day of work. The University of Oklahoma strongly supports the principle of diversity. **The University of Oklahoma is an Equal Opportunity Institution. Protected veterans and individuals with disabilities are encouraged to apply.***

Please be advised that the University does check references as part of the employment process, and selection committee members may choose to contact work references during the search process other than those listed in your application.

The University of Oklahoma is an Affirmative Action/Equal Opportunity Employer <http://www.ou.edu/eoo/>. Protected veterans and individuals with disabilities are encouraged to apply.