Postdoctoral Associate – Diabetes research/Molecular Imaging

The University of California, Los Angeles is seeking a highly motivated postdoctoral associate interested in the interface of diabetes research and molecular imaging. This highly translatable research seeks to leverage the non-destructive, whole-body, and quantitative power of molecular imaging to directly visualize host immune-mediated rejection of allogenic β-islet grafts. The incumbent will benefit from co-mentorship from an expert in molecular imaging (Dr. Oluwatayo Ikotun) and a leading expert in Diabetes research (Dr. Daniel Kaufman). The candidate is expected to lead this research initiative and deliver on research milestones described in the collaborative research initiative funded by the Juvenile Diabetes Research Fund (JDRF). Candidates with experience in diabetes research interested in engaging in innovative molecular imaging or molecular imaging scientists excited to engage in research on the intersection of immunology and diabetes are strongly encouraged to apply. The postdoctoral associate will lead the molecular imaging and in vivo model development of this exciting collaborative research initiative and will be responsible for:

- Establishing in vivo models of immune-mediated islet graft rejection
- Development of novel immune imaging agents and testing in pre-established and new in vitro and in vivo model systems
- Perform corroborative ex vivo assays (e.g. Flow cytometry, immunohistochemistry, spatial transcriptomics) assessment

The candidate will have access to state-of-the-art lab equipment, and departmental/inter-departmental core facilities to ensure the success of this research initiative. Candidates must be self-driven, highly motivated, and well-organized, and have published first-author papers in internationally recognized journals. Must be able to multi-task and solve problems creatively, with the ability to work independently as well as cooperatively with a team. Excellent oral and written communication skills are required. Desired Qualifications and Technical Skills:

- Ph.D. in Biological sciences, radiochemistry, imaging sciences, or health discipline with an emphasis on diabetes research
- Experience with mouse models of diabetes, metabolic disorders, or immunology
- Experience with quantitative analyses of chemicals, cells, and tissue (ability to perform immunofluorescence analyses, activity assays, western blots, flow cytometry, SDS-PAGE, and related biochemical assays.)
- Experience with bioconjugate chemistry, radiochemistry, and separation/analytical methods including mass spectrometry,
  HPLC
- Candidates with multiple years of postdoctoral experience in diabetes research will be considered for a staff scientist position.

Interested candidates should provide a CV, cover letter, three references, and a summary of research experience.
To apply: https://recruit.apo.ucla.edu/JPF08545