



## Post Doctoral Associate

### Transforming Lives

The University of Miami is among the top research universities and academic medical centers in the nation, and one of the largest private employers in South Florida.

With more than 16,000 faculty and staff, the University strives for excellence, and is driven by a powerful mission to transform and impact the lives of its students, patients, members of the community, and people across the globe.

The University is committed to fostering a culture of belonging, where everyone feels valued and has the opportunity to add value. Through values of Diversity, Integrity, Responsibility, Excellence, Compassion, Creativity, and Teamwork (DIRECCT) the U community works together to create an environment driven by purpose, excellence, community, and service.

The Department of Medicine - Division of Endocrinology is seeking a Post Doctoral Associate that will support investigations that focus on understanding the molecular mechanisms that govern growth and survival of islet b- cells. The Post Doctoral Associate performs scientific research and studies under the supervision of managing staff. Moreover, the Post Doctoral Associate promotes institutional recognition through literal contributions to the scientific community.

#### JOB FUNCTIONS

- Investigate the molecular and cellular biology of how insulin producing cells grow and die and how they adapt to diabetogenic conditions.
- Islet culture and maintenance, mouse colony maintenance, dissection and physiological experiments with rodents.
- Set-up instruments, material, apparatus and operate laboratory equipment required for specific assays. %
- Perform a variety of complex technical duties involved in conducting physical, chemical, biological and other research laboratory tests.
- Designing, performing, and analyzing experiments in collaboration with Dr. Ernest Bernal-Mizrachi.
- Reviewing relevant scientific literature; preparing written reports of experimental results and keeping detailed laboratory books.
- Record and document the collected data and perform analyses by employing provided analytical tools. Prepare manuscripts for publication.
- Contribute to decisions on experimental approaches, data analysis strategies and publication strategies.
- Weekly implementation of projections, in consultation with Dr. Ernest Bernal-Mizrachi
- Assist in solving problems related to equipment and data analysis.
- Conducts research on specific areas of study as assigned.
- Prepares research reports and technical papers for publishing.

- Investigates the feasibility of applying a wide variety of scientific principles and theories.
- Maintains substantial knowledge of state-of-the-art principles and theories.
- Develops advanced analytical models and systems and provides solutions and analyses to support strategic and tactical decisions.
- Performs other duties as assigned.
- Adheres to University and unit-level policies and procedures and safeguards University assets.

*This list of duties and responsibilities is not intended to be all-inclusive and may be expanded to include other duties or responsibilities as necessary.*

#### CORE QUALIFICATIONS

Education: MD or Ph.D. in relevant field

#### Experience:

- One (1) year of relevant work related experience with evidence of tangible contributions to the dissemination of new research information is preferred.
- Experience in noninvasive in vivo imaging is highly desired.
- Strong scientific background in molecular and cell biology and demonstrated scientific problem solving ability and creativity, preferred.
- Experience using animal models and in vitro experiments., preferred.

#### Knowledge, Skills and Attitudes:

- Strong scientific background in cell biology and diabetes.
- Have demonstrated scientific problem-solving ability and creativity.
- Excellent communication skills and publication records.
- Able to work in a highly collaborative manner.
- Skill in collecting, organizing, and analyzing data.
- Ability to recognize, analyze, and solve a variety of problems.
- Ability to exercise sound judgment in making critical decisions.

The University of Miami offers competitive salaries and a comprehensive benefits package including medical, dental, tuition remission and more.

UHealth-University of Miami Health System, South Florida's only university-based health system, provides leading-edge patient care powered by the ground breaking research and medical education at the Miller School of Medicine. As an academic medical center, we are proud to serve South Florida, Latin America and the Caribbean. Our physicians represent more than 100 specialties and sub-specialties, and have more than one million patient encounters each year. Our tradition of excellence has earned worldwide recognition for outstanding teaching, research and patient care. We're the challenge you've been looking for.

Patient safety is a top priority. As a result, during the Influenza ("the flu") season (September through April), the University Of Miami Miller School Of Medicine requires all employees who provide ongoing services to patients, work in a location (all Hospitals and clinics) where patient care is provided, or work in patient care or clinical care areas, to have an annual influenza vaccination. Failure to meet this requirement will result in rescinding or termination of employment.

The University of Miami is an Equal Opportunity Employer - Females/Minorities/Protected Veterans/Individuals with Disabilities are encouraged to apply. Applicants and employees are protected from discrimination based on certain categories protected by Federal law. Click [here](#) for additional information. Job Status: Full time.