The AdventHealth Translational Research Institute is seeking candidates for multiple Postdoctoral Research Scientist positions at the AdventHealth campus in Orlando, Florida.

The mission of the TRI is to extend and improve the quality of lives through the conduct of world-class, innovative clinical translational research that leads to discoveries and ultimately cures for chronic disease. The collaborative, multidisciplinary team of investigators and physicians at the TRI lead research programs focused on Obesity, Diabetes and Exercise, Aging, Nutrition, Sarcopenia and other relevant conditions.

The TRI is a custom designed 54,000 sq. ft. translational research facility located on the AdventHealth, Orlando Campus. Our facility houses some of the most technologically advanced clinical and diagnostic equipment available dedicated to the study of human metabolism. The research dedicated facilities are available to all faculty and include an outpatient clinic and clinical operations core (Recruitment, regulatory, clinical coordination), research pharmacy core, and a 10-bed in-patient clinical research unit that is staffed 24/7. The institute performs state-of-the-art human phenotyping of body composition (research dedicated MRI, DXA), insulin action (glucose clamp, stable isotope tracers, IVGTT), energy metabolism (4 metabolic chambers) and physical activity (wearables, doubly labeled water). The TRI also has dedicated exercise training and testing facilities, a metabolic kitchen, and 7,000 sq. ft. of laboratory space. Biospecimens (muscle, adipose, blood, exosomes) and surgical samples (liver, cardiac, adipose) are routinely collected and stored in our state-of-the-art biorepository. Molecular interrogation of biospecimens is conducted in our biomarkers lab (western, hormone assays, ELISA, single cell/nuclei sequencing, extracellular vesicles, FACS, etc.) and metabolomics core.

The candidate will contribute to NIH/Pharmaceutical/Biotech and other sponsored and investigator-initiated research that supports the TRI scientific research mission. The candidate will be a highly motivated individual and capable of working independently and will be responsible for directing research projects, conducting experiments, collecting and analyzing data and writing abstracts and manuscripts for publication.

**Required qualifications.** Candidates should have a doctorate in a relevant scientific field such as obesity, diabetes, aging, exercise physiology, physiology, metabolism, and molecular biology.

**Knowledge and skills preferred.**

- Knowledge or experience in obesity, diabetes, exercise physiology, physiology, metabolism, aging, muscle energetics.
- Knowledge of the development and operation of clinical and basic science research protocols.
- Experience with cell and molecular biology methods including experience with western blot, qPCR, histology, respirometry, ELISA and cell culture approaches.
- Experience working with human biospecimens including muscle and adipose tissue biopsies.
- Established competency in research as evidenced by published (peer reviewed) research and/or prior work experience.
- Knowledge or experience in investigator-initiated research in a clinical translational research setting.

**Duties and Responsibilities.**

- Design and implementation of translational research proposals, protocols, and procedures.
- Analysis of human biospecimens including muscle and adipose tissue by various analytical approaches.
- Design and conduct cell culture experiments with human myotube and adipocytes.
- Assist with the analysis of research data in collaboration with Biostatisticians and TRI faculty.
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- Preparation of scholarly manuscripts and final study reports (where applicable) to communicate results of the research to the broader scientific community.
- Supervision of data collection by TRI research core staff including but not limited Clinical Operations, Energy Metabolism, BioRepository, and Clinical Research Unit.
- Attend and give seminars under the direction of the Faculty Investigator.
- Research grant application preparation
- Other duties and responsibilities as determined by the Faculty Investigator.
- The candidate will help to ensure that all research performed under their direction is in compliance with all Florida Hospital, TRI, local, state, and federal laws, policies and procedures.

For more information, please visit our [www.TRI-MD.org](http://www.TRI-MD.org)

Informal inquiries are welcome. Please contact Christine Anderson: [Christine.F.Anderson@AdventHealth.com](mailto:Christine.F.Anderson@AdventHealth.com)