Complex Carbohydrate Research Center
UNIVERSITY OF GEORGIA

Research Professional in Skeletal Disease Models and Glycobiology

Research Description

The Weiss Lab at The University of Georgia's Complex Carbohydrate Research Center (www.ccrc.uga.edu) is seeking a highly motivated and skilled Research Professional with hands-on mouse experience to lead in vivo preclinical studies in models of rare genetic disease. Our laboratory studies the biosynthesis and function of heparan sulfate and other glycosaminoglycans, with active NIH- and foundation-funded drug discovery programs for congenital pediatric diseases, including the skeletal disorder, Multiple Hereditary Exostoses (MHE).

The successful candidate will take a leading role in preclinical efficacy studies evaluating repurposed small-molecule therapeutics in established mouse models of these disorders. This position offers an exciting opportunity to contribute to translational research with a direct path toward clinical application in a collaborative and well-resourced environment. In addition, this role will provide multidisciplinary training in glycobiology, preclinical drug discovery, and mass spectrometry-based glycan analysis.

Research Professional responsibilities include mouse breeding and colony maintenance, executing in vivo drug efficacy studies, histological and immunostaining analyses, and colony and protocol oversight. The position also involves preparation of writing reports, mentoring students/trainees, protocol optimization and some method development.

Candidates should hold a Ph.D. in biology, physiology, or a related discipline. Candidates holding an M.S. or B.S. with extensive in vivo research experience will also be considered. Prior experience in conducting in vivo mouse studies including rodent handling, restraint, breeding and genotyping, and parenteral drug administration is an absolute requirement. Proficiency in mammalian cell culture and standard molecular biology techniques is also desired. Preference will be given to candidates with expertise in bone/cartilage biology, histology of mineralized tissue, or preclinical drug discovery. Strong communication and organizational skills and fluency in written and spoken English are essential as is the ability to work in a collaborative scientific environment.

How to Apply: Candidates should submit their applications as a single PDF document by email to Dr. Ryan Weiss (ryan.weiss@uga.edu). The document must contain: (i) a cover letter describing their research interests, career goals and motivation for the position, (ii) a current CV, and (iii) the names and contact information for three professional references, including at least one direct supervisor from the candidate's most recent position.