

Postdoctoral/Research Associate Position

Musculoskeletal Stem Cell Biology and Tissue Engineering

The Bone Biology Laboratory at the Cleveland Clinic Foundation has two openings for Postdoctoral Fellows with interest in musculoskeletal stem cell biology and tissue engineering.

The Bone Biology Laboratory is located within the Department of Biomedical Engineering at the Cleveland Clinic and is an active participant in the Orthopaedic Research Center and the Clinical Tissue Engineering Center.

A range of active programs are supported by NIH grants and grants from industry partners. These focus on both basic and translational research questions, particularly: optimizing methods for harvest, isolation, assay, processing and transplantation of human connective tissue progenitors (CTPs); characterization of the concentration, distribution and kinetics of CTPs in musculoskeletal tissues; optimizing assays for stem cell populations in musculoskeletal tissues; exploration of cell-matrix interactions as a tool to modify differentiation and cell response to the environment of transplantation and wound repair (particularly hypoxia); modulators of activation, proliferation, migration, differentiation and survival of musculoskeletal progenitor populations; animal models of bone and cartilage repair.

A broad array of collaborative and mentoring resources are available in fields of stem cell assay technology, signaling, morphogenesis, extracellular matrix biology, biomaterials, cell separation, flow cytometry, histomorphometry, quantitative image analysis, and medical informatics and biostatistics.

We seek creative individuals seeking an opportunity for advancement and the challenge significant independence in developing and executing a novel program of research in an interdisciplinary environment, including grant writing experience. Experience in at least one of the core aspects of laboratory research (e.g., cell or molecular biology, flow cytometry, histology, immunochemistry) is desired. Candidates should expect to their skills to new areas and technologies.

Compensation and benefit package is highly competitive. The Cleveland Clinic Foundation is an Equal Opportunity Affirmative Action Employer.

For further information please contact:

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