https://med.nyu.edu/research/postdoctoral-training/available-postdoc-positions

ACADEMIC POSITOIN-NYU School of Medicine/LIAISON WITH BIOTECH START-UP

Immediate Research Scientist position in tissue regeneration/translational medicine This position is an excellent and exciting opportunity for exposure to all aspects of translational medicine (patent law, formulation, pharmacodynamics and toxicology, clinical trials, FDA regulations) while continuing to explore the basic science mechanisms related to the novel functions of calreticulin for a variety clinical applications. The research scientist candidate will straddle between an academic laboratory at **New York University School of Medicine** and a start-up biotechnology company centered on tissue regeneration (www.tissueregenerationsciences.com)

Our laboratory discovered that the calcium-binding endoplasmic reticulum chaperone protein, calreticulin (CRT) has profound positive biological effects on wound repair and tissue regeneration creating an exciting new research field. Topical application of CRT heals wounds by tissue regeneration showing epidermal appendage neogenesis, such as hair follicles, without scarring. In vitro, CRT induces migration of cells to resurface the wound, proliferation of cells to populate the wound, the production of extracellular matrix proteins to remodel and reconstruct the wound defect, removal of dead cells for wound debridement, and prevention of infection. Studies are underway to understand the mechanisms and pathways involved in these novel extracellular functions of CRT as well as structure/function relationships of the molecule.

Candidates demonstrating the ability to be creative, highly motivated, work independently and with a strong background in tissue culture, cell biology and general molecular biology and biochemical techniques including migration assays are preferred. Highly enriched and interactive basic science environment and special well-renowned young scientist programs for independent growth. Limited to US citizens, candidates with a green card, or current J1 or other visa. Please send curriculum vitae and at least three references (by email) to:

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