

POSITION

Postdoctoral position in bone research.

GENERAL SUMMARY

A postdoctoral position is available immediately in the Department of Pathology & Laboratory Medicine at the University of Rochester Medical Center. The candidate will do basic and translational research in skeletal disease, funded by multiple NIH R01 and DoD research projects. The directions of the research include 1) ubiquitin and deubiquitinating regulation of bone forming and resorbing cells; 2) Osteoimmunology with aging which will investigate how interactions among T cells, macrophages, and osteoblasts cause osteoporosis and immunosenescence during aging; 3) The role of myeloid lineage cells in fracture repair and osteoarthritis. These projects will use sophisticated genetic mouse models, cellular and molecular biological techniques, cell fate mapping coupled with single-cell transcriptomics, flow cytometry analysis, three-dimensional imaging, and histomorphometry analysis.

EDUCATION AND EXPERIENCE REQUIRED

The applicants must have a Ph.D., MD, or MD/Ph.D. degree and be highly motivated with a strong motivation to work independently with good writing and oral communication skills. Prior experience in small animal handling/surgery, flow cytometry, cell culture, and immunostaining /confocal microscopy is preferred. Experience in analyzing single-cell and bulk RNA-seq, gene cloning, bone marrow transplantation, and bone histomorphometry would be a plus.

APPLICATION REQUIREMENTS

To apply for these positions, please email a cover letter and C.V. to:

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