

Postdoctoral Fellow Positions in Genetic Regulation of Skeletal Cells

Two postdoctoral fellow positions are available in the Lefebvre laboratory in the Translational Research Program in Pediatric Orthopaedics at the Children's Hospital of Philadelphia (CHOP) Abramson Research Institute.

The fellows will elucidate specific genetic and epigenetic mechanisms whereby SOX and other transcription factors interact with one another and with growth factor signaling pathways to govern the commitment of mesenchymal progenitor/stem cells to skeletal lineages and the multi-step programs of osteoblast and chondrocyte differentiation. The fellows will use cutting-edge approaches in vivo and in vitro, including mouse models and high-throughput 'omics' approaches. Successful accomplishment of this research is anticipated to deepen fundamental scientific knowledge, increase understanding of mechanisms underlying skeleton malformation and degenerative diseases, and help the fellows launch promising careers as independent research investigators.

Strong candidates for these positions will have obtained a Ph.D. degree in biological science in the last three years, will have a solid scientific background and a strong publication record relevant to the projects, and will be eager to contribute productively to pioneering research in skeletal biology and molecular genetics. They will also demonstrate outstanding communication skills and first-rate interpersonal and organizational skills.

The CHOP Abramson Research Institute and the affiliated University of Pennsylvania offer an exceptionally interactive and front-line scientific environment with state-of-the-art research core facilities and with multiple career-development programs for trainees. They recognize the power of a diverse community and encourage applications from individuals with varied experiences, perspectives, and backgrounds. Competitive salaries are provided along with excellent fringe benefits.

Candidates should send their curriculum vitae, a description of research interests and career goals, and contact information for three or more Faculty-level references to Dr. Véronique Lefebvre (lefebrev1@chop.edu).