



Postdoc Position

Laboratory: Dr. Joerg Ermann
Division of Rheumatology, Immunology, and Allergy
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Summary:

A postdoctoral research position is available to study the mechanism of heterotopic ossification in a mouse model of spondyloarthritis (induced by hydrodynamic tail-vein injection of IL-23 encoding minicircle plasmids). The project involves longitudinal gene and protein expression analysis in tissues and purified cell populations to identify the cells and signaling pathways driving heterotopic ossification downstream of IL-23. Candidate signaling pathways will be interrogated by treating mice with small molecule inhibitors and recombinant cytokine traps. Phenotypic assessment includes histomorphometry and micro-computed tomography.

Requirements:

We are looking for a highly motivated postdoctoral fellow (MD or PhD) with research experience in immunology, bone biology or related fields. Required skills include mouse models of inflammatory or bone diseases, cell culture, PCR, Western blotting, flow cytometry, immunohistology.

Terms:

The position is available immediately.

If interested please send a curriculum vitae to Dr. Joerg Ermann, jermann@bwh.harvard.edu.

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