Ocular Oncology Research

A postdoctoral training position is available in the laboratory of Dr. J. William Harbour, in the Department of Ophthalmology at UT Southwestern Medical Center. Our laboratory has a long-term interest in genomic evolution, immune evasion, and metastasis in uveal melanoma, a highly metastatic cancer of the eye. Our laboratory has discovered multiple genomic aberrations associated with metastasis in uveal melanoma, including bi-allelic mutational inactivation of the tumor suppressor BAP1, hemizygous change-of-function mutations in the splicing factor SF3B1, and aberrant expression of the cancer-testis antigen PRAME. We use a variety of techniques in cell biology, biochemistry, genetics, genomics, and epigenetics to elucidate how these aberrations interact with the tumor microenvironment to promote immune evasion and metastasis. The training experience will include the use of next generation sequencing methods such as RNA-seq, ChIP-seq, ATAC-seq, scRNA-seq, and spatial transcriptomics, as well as cell culture and genetically engineered mouse models. Candidates must hold a Ph.D. and/or M.D. degree. Extensive background in molecular biology, biochemistry, and/or cell biology is required. Experience in mouse experimentation is desired. Evidence of stage-appropriate research productivity leading to publication in peer-reviewed journals is desirable. Information on our postdoctoral training program, benefits, and a virtual tour can be found at http://www.utsouthwestern.edu/postdocs.

Interested individuals should send a CV, statement of interests, and a list of three references to:

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