Research Fellowship in Pediatric Cancer and Zebrafish Models - Massachusetts General Hospital, Boston

Langenau Laboratory Research Fellowship in Pediatric Cancer and Zebrafish Models

The Langenau Laboratory at the Massachusetts General Hospital, Boston is recruiting research fellows to study mechanisms of progression and relapse in T and B cell leukemia and rhabdomysorcoma – a tumor of muscle. Research will focus on using the zebrafish genetic model, biochemistry, and cross-species bioinformatics approaches to identify novel pathways that drive progression and relapse. Following discoveries made in the zebrafish model, work will continue in characterizing discoveries in human cell culture, primary patient samples, and mouse xenograft studies.

Dr. Langenau's research group has become a pioneer in the field and made seminal discoveries using the zebrafish model. The laboratories interests are best summarized in the following manuscripts (Tenente et al., Elife 2017; Moore et al., JEM, 2016; Tang et al., Nature Communications, 2016; Blackburn et al., Cancer Cell 2014; Tang et al., Nature Methods, 2014; Chen et al., PNAS 2014; Ignatius et al., Cancer Cell 2012). Additional information about the laboratory is available at langenaulab.com.

Applicants with advanced skills in *in vivo* microscopy, mouse xenograft transplantation, stem cell biology, muscle development, leukemia, blood development, bioinformatic analysis, and biochemistry (including ChIP seq) are highly desired. Background in zebrafish development and/or cancer is not required.

Candidates must have PhD and/or MD, have made significant scientific contributions through publication of high impact papers, and be enthusiastic about science.

A curriculum vitae, list of publications, and three references should be emailed as a single PDF by May 25, 2017 to dlangenau@mgh.harvard.edu and ssmith6@partners.org.

Langenau Research Group

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