

Hematopoietic stem cell biology scientist (PhD Level)

Editas Medicine is a transformative genome editing company with a mission to translate its genome editing technology into a novel class of human therapeutics that enable precise and corrective molecular modification to treat the underlying cause of a broad range of diseases at the genetic level.

We are seeking a highly motivated and innovative research associate with primary human hematopoietic stem cell culture expertise to support the development of gene editing based cell therapies. The successful candidate will contribute as part of a dynamic, multidisciplinary discovery team dedicated to the development of a novel class of therapeutics. The successful candidate is expected to have proven practical experience in the culture and genetic manipulation of human primary hematopoietic stem cells. Demonstrated understanding of hematology is required and hematopoietic stem cell blood biology is preferred. Experience with RNA, gene therapy, and/or gene editing techniques is highly desired. The candidate should be a scientifically motivated self-starter, capable of independently conceiving, conducting, and critically analyzing his/her own innovative research with minimal supervision. Strong presentation skills, communication and the ability to work in a fast-paced and team-oriented environment will also be vital.

Minimum Requirements

- PhD in biology or relevant field
- Strong background in cell biology, molecular biology, virology, biotechnology, immunology, or hematopoietic stem cell biology
- 4+ years of relevant research experience (PhD work is applicable)

Preferred Experience:

- Experience with blood processing, CD34⁺ cell isolation
- Hematopoietic colony forming cell assays and cell cytospin analysis
- Ex vivo differentiation of CD34⁺ cells
- Flow cytometry assay development
- Vector design and expression systems, gene therapy / genome editing techniques, and advanced molecular biology
- In vivo expertise in human CD34⁺ cell mouse xenograft models

Desired Qualities



- Independent
- Self-motivated
- Excellent written and oral communication skills

