

Craft Lab: Research Assistant I/II

Craft Laboratory
Orthopaedic Research Laboratories
Boston Children's Hospital

We are looking for a detail oriented and enthusiastic Research Assistant I or II to join our stem cell and regenerative medicine-based laboratory. Our goal is to better understand the development of joint tissues, primarily articular cartilage, and we use pluripotent stem cells as a model system. This full time position has a flexible start date, preferably by July 1.

Under the direction of the PI, the candidate will be essentially responsible for performing experiments focused on inducing joint tissue lineages from several newly generated fluorescent reporter mouse embryonic stem cell (ESC) lines, and will help to translate these discoveries to human pluripotent stem cells. The role primarily requires good organization skills and good hands in cell culture. Techniques such as flow cytometry, FACS, qRT-PCR, confocal microscopy and histology will be used. The candidate will learn to record, analyze, interpret and present all data generated. Experience or willingness to learn bioinformatics/programming to assist with analyzing sequencing data from bulk and single cells is strongly desired. Other tasks include preparation of reagents and media, bottle washing/autoclaving, and maintenance of laboratory equipment and supplies. Meaningful contributions such as generating data and participating in writing may lead to authorship on future publications.

Requirements

The applicant must be a US citizen or permanent resident, and must have a Bachelor's or Master's degree in Biomedical science (or equivalent), at least one year of cell culture experience, and a strong understanding of molecular biology. Excellent communications skills in English are required. Due to the precise timing of directed differentiation experiments, occasional weekend work is required. Preference will be given to applicants with the above plus experience with programming (R, Python). Recent graduates interested in gaining independence in a laboratory setting are encouraged to apply. Post-doctoral positions also available in the lab.

A minimum two-year commitment is requested. The position will be offered through Boston Children's Hospital. Salary will commensurate with experience and includes a benefits package.

Apply

Applicants should email a CV, contact information for two academic or professional referees, and a brief cover letter describing their background to april.craft@childrens.harvard.edu