

CHILDHOOD LEUKEMIA RESEARCH AT CHOP/UPENN

Job Description:

This position is a part of an exciting research program at the Children's Hospital of Philadelphia (CHOP) and the University of Pennsylvania (UPENN) to develop targeted therapy approaches for patients with leukemia. Our laboratory uses patient samples, cell lines and model systems to discover new therapies for this devastating disease.

For more information about our lab visit our website: <https://www.theberntlab-chop.org/>

For a list of publications please visit:

[http://www.ncbi.nlm.nih.gov/pubmed?term=%28bernt%20k\[Author\]%29%20NOT%20bernt%20ke\[Author\]](http://www.ncbi.nlm.nih.gov/pubmed?term=%28bernt%20k[Author]%29%20NOT%20bernt%20ke[Author])

We are looking for a bright, meticulous, motivated and curious individual who would like to learn about childhood leukemias and master an array of advanced biomedical techniques during a 2+ year work with our group. Responsibilities include:

- Preparation of primary patient samples for proteomic, transcriptomic and epigenomic analysis including single cell analysis
- Data entry and analysis, data base maintenance
- Management of murine colony for translational studies using syngeneic and patient derived xenograft models
- Assistance in follow up studies in leukemia cell lines and selected samples using standard molecular biology techniques (PCR, flow cytometry, basic molecular biology).
- Assistance in maintaining the lab (orders and shipping, maintenance of leukemia cell lines, maintenance of reagents, maintenance of lab meeting schedule)

Candidate:

We are hoping to hire a highly reliable, responsible and motivated individual who is interested in a career in medicine or biomedical research and ready to take on a crucial part in our program. Prior research experience in molecular biology techniques or bioinformatics are highly desirable. Organizational skills, the ability to work independently, and highest attention to details are a must.

Benefits:

- Potential for hands on experience in cutting edge leukemia research including novel therapeutic targets and “-omics” approaches (genomics, epigenomics, proteomics)
- Training in specific biocomputational approaches (proteomic, transcriptomic pipelines) can be provided for candidates with prior experience in bioinformatics and an interest in pursuing additional training
- Possibility to shadow clinics and inpatient wards in Pediatric Oncology
- In depth exposure to different career paths – Physicians, Physician-Scientists, PhD-scientists, Bioinformaticians – which will greatly help in making future career choices
- Recommendations from leading institution in the field for future applications in graduate programs (MD, MD/PhD, PhD)
- Competitive salary, benefits
- Fun, dynamic group

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