

The Children's Hospital of Philadelphia Research Institute is an interdisciplinary institution dedicated to conducting basic, clinical and translational research on conditions and diseases that affect children, and is part of The Children's Hospital of Philadelphia and University of Pennsylvania research community.

A postdoctoral position is available in the laboratory of Carolyn A. Felix, M.D., Center for Childhood Cancer Research. This project is a collaboration with Rita Balice-Gordon, Ph.D., and her laboratory at the University of Pennsylvania School of Medicine.

The successful candidate will use zebrafish as a model organism to study the role of transcriptional regulator MLL (Mixed Lineage Leukemia) in developmental hematopoiesis and the dysfunction in this process that leads to infant leukemia. A range of whole organism, cellular, molecular and genetic approaches will be used to study the role of *zml1* in different hematopoietic cell populations and to identify and study candidate genes and pathways that are regulated by *zml1* and MLL fusion oncoprotein transgenes.

We are seeking a postdoctoral fellow who is motivated, creative, enthusiastic, and careful, who thinks critically and works well in a multi-disciplinary, collaborative team. Candidates must have a recent Ph.D. or M.D. /Ph.D. in the biological sciences. Experience with zebrafish and zebrafish hematopoiesis is beneficial and excellent qualifications from graduate school training in the areas of cell and molecular biology are essential. The position is NIH funded for 5 years.

The postdoctoral fellow will, under the direction/guidance of a mentor (Principal Investigator), assume responsibility for a specific, on-going research project.

The Postdoc experience will serve to extend, refine and enhance skills necessary for professional and career development, and will enable the individual to broaden his/her scientific background by acquiring new research capabilities. It is expected that this individual will conduct independent scholarly research, and will contribute directly to the overall research goals of the project and the research group.

Postdocs will be expected to participate in project planning, recording and interpretation/evaluation of data, and communication of results. Postdocs will also be expected to acquire technical, lab management, and manuscript/grant writing skills; and participate in seminars, lectures, poster sessions and presentations at national meetings.

Postdoctoral fellows also may be required to supervise junior lab members, develop new methods and protocols for research, and assist with the development of other research projects in the lab.

Postdoctoral fellows at The Children's Hospital of Philadelphia receive mentored training in a rich scientific and collaborative environment that includes the resources of the adjacent University of Pennsylvania.

**SKILLS AND ABILITIES:**

Strong research skills  
Effective problem solving/critical thinking skills  
Ability to work independently  
Ability to exercise discretion and judgment  
Value for research integrity and collaborative research  
High level of motivation  
Good communication skills  
Strong interpersonal skills

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**MANDATORY REQUIREMENTS:**

Child Abuse Clearances  
FBI Fingerprint Clearance  
Drug Screening

All CHOP employees who work in a patient building or who provide patient care are required to receive an annual influenza vaccine unless they are granted a medical or religious exemption.

To learn more about the CHOP Research Institute, Dr. Carolyn Felix and the research programs visit:  
<http://research.chop.edu>.

Interested individuals should send a cover letter, CV, and three references and/or letters of recommendation and must also complete a profile on our website at [www.chop.edu/careers](http://www.chop.edu/careers).