

The Henry M. Jackson Foundation (HJF) is seeking two Postdoctoral Fellows to support the Automated Biodosimetry, Systems Biology and Bioinformatics Initiative for proteomics and drug development program at the Armed Forces Radiobiology Research Institute (AFFRI) in Bethesda, MD. HJF provides administrative and management support to AFFRI.

The AFFRI mission is to preserve the health and performance of U.S. military personnel and to protect humankind through research that advances understanding of the effects of ionizing radiation. To these ends, the institute collaborates with other government facilities, academic institutions, and civilian laboratories in the United States and other countries to research the biological effects of ionizing radiation.

Responsibilities:

1. Assists in designing, developing, executing, and implementing scientific research and/or development.
2. Investigates the feasibility of applying a wide variety of scientific principles and theories to potential inventions and products.
3. Performs specialized laboratory research utilizing experimental protocols which will involve specialized procedures such as DNA cloning and sequencing, Southern blotting, molecular analysis of specific RNA transcripts by quantitative RT-PCR or Northern analysis, animal injections, bleedings and immunizations.
4. Collects and handles samples and keeps detailed records of experiments.
5. Assists with the preparation of data for presentations at scientific meetings and for publication in journals.
6. Assists with training laboratory staff as needed.
7. Maintains cleanliness of laboratory areas.
8. Performs other duties as assigned.

Required Knowledge, Skills, and Abilities: Knowledge of bioinformatics and statistical procedures for biological data; principles of database architecture and information management; in-depth understanding, analysis and processing of data from various post genomic technologies and their application towards clinical development of drugs; wide understanding of commercially available statistical tools and bioinformatics databases; should be a creative thinker, self starter of well formulated ideas in collaboration with PI.

Minimum Education/Training Requirements: PhD in a related scientific discipline such as Bioinformatics, Systems Biology, Computational Biology, Biotechnology, Cancer Biology, Radiation Biology, Molecular Biology or related field.

Minimum Experience: 0 to 2 years

Physical Capabilities: Long periods of standing and sitting; intricate work with hands; carrying of light and moderately heavy laboratory equipment

Supervisory Responsibilities/Controls: May provide guidance to laboratory staff

Work Environment: Laboratory environment; may involve working with biohazardous materials; may require working evenings and weekends

Please apply on-line at [www.hjf.org/careers](http://www.hjf.org/careers)  
<<http://www.hjf.org/careers>> Please put the job number 204672 in the Job Opening ID box under Advanced Search. OR please fax your resume to 240-314-7334. Please specify title and job number on fax.

HJF is a nonprofit medical research organization that provides support services to the military medical community and offers a competitive salary and generous benefits package.

AA/EEO

For a comprehensive list of our benefits, please visit:

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HJF administers innovative medical research, supports education and training, and facilitates collaborations between the military and private medical communities. We provide comprehensive management and scientific services for more than 600 basic, clinical and applied research projects conducted around the globe. We also support continuing medical education programs for more than 160 military medical research and treatment facilities, and military medical organizations.