

Join the HJF Team !

HJF is seeking a **Postdoctoral Fellow** to support the Undersea Medicine Department (UMD), located at the Naval Medical Research Center (NMRC) in Silver Spring, MD. HJF provides scientific, technical and programmatic support services to UMD. **U.S citizenship is required.**

Directly participates in the design, execution, and interpretation of small- and large-animal experiments related to decompression sickness, hyperbaric oxygen therapy, oxygen toxicity (central nervous system and pulmonary), disabled submarine rescue, and warfighter performance in undersea and high altitude environments.

Responsibilities:

1. Plans, conducts, and completes investigations independently and/or collaboratively under the supervision of the UMD department head, deputy department head, and senior civilian scientist. Assignments require performance of complex laboratory tests, determinations, and analyses involving multiple procedures and a variety of technical approaches. Studies typically include exposure of rodents or swine to hyperbaric and hypobaric pressures, measurement of systems-level physiological parameters, subsequent tissue collection, and analyses of histologic, cellular, and molecular variables.
2. Preparation and submission of research proposals and reports for sponsors.
3. Preparation and submission of research protocols and reports within NMRC.
4. Performs data analysis and interpretation. Verifies and corrects data entry.
5. Prepares and presents research findings at professional meetings.
6. Prepares and submits manuscripts for publication in technical or peer-reviewed journals.
7. Identifies grant funding opportunities with Department of Defense (DoD) and non-DoD sponsors.
8. Provides guidance and training to lower-level laboratory staff.
9. Performs other duties as assigned by the UMD department head, deputy department head, or senior civilian scientist.

Required Knowledge, Skills and Abilities: Knowledge of the scientific method and its application to experimental design and conduct. Performance of complex laboratory procedures as stated above. Ability to meet project deadlines. Good analytical and communication skills.

Minimum Education: Doctoral degree in physiology or a directly related field. Candidates within 5 years of earning a doctoral degree are preferred, but not necessary.

Minimum Experience/ Training Requirements: 0-5 years of relevant work experience required. Experience with small-and/or large-animal models is preferred, but not required.

Physical Capabilities: Requires long periods of sitting and standing. Safe handling of various chemicals and reagents. Handling of research animals (rodents and swine).

Supervisory Responsibilities: Provides guidance to lower-level laboratory staff.

Work Environment: Set in a laboratory environment.

Background/Security: U.S. citizenship required; eligible to obtain and maintain a Tier III Investigation/ Secret Clearance and Common Access Card (CAC).

Employment with HJF is contingent upon successful completion of a background check, which may include, but is not limited to, contacting your professional references, verification of previous employment, addresses, education, and credentials, a criminal background check, drug screening, and a department of motor vehicle (DMV) check.

Any qualifications to be considered as equivalents, in lieu of stated minimums, require the prior approval of the Chief Human Resources Officer.