Precision Medicine

About HJF

The Henry M. Jackson Foundation for the Advancement of Military Medicine, Inc. (HJF) is a global, nonprofit organization created to accelerate progress in military medicine. Authorized by the U.S. Congress, HJF works to promote military-civilian interchange, support the Uniformed Services University of the Health Sciences (USU) and advance all Department of Defense (DoD) research efforts for the mutual benefit of military and civilian medicine.

From program management to laboratory research, our thorough scientific, administrative and program management services empower researchers and clinicians with the resources they need to find answers and drive change, while removing barriers to success.

Services

Secure Research Funding

HJF empowers you with the resources you need to secure research funding. We drive change—while removing barriers to success. HJF makes it easier to find upcoming funding opportunities from various sponsors, most relevant to military medical researchers.

Develop Your Proposal

Our experts provide all stages of proposal development, from analyzing requests for proposals (RFPs) to submitting outstanding grant, cooperative agreement and contract applications. Our experts have you covered through the proposal lifecycle because we've worked with military and federal principal investigators in identifying and responding to funding opportunities for more than three decades.

Build Your Team

HJF has the know-how to recruit and staff your research team with top talent. We staff scientific, management and administrative teams for research awards across the U.S. and around the world. HJF takes care of recruiting, hiring and managing hard-to-find specialists including diverse global talent with the J-1 Exchange Visitor Program and the H-1B employment-based program.

Manage Your Research

HJF has managed thousands of research awards for nearly 40 years. We help you with compliance, financial reporting, procurement, and all areas of research administration. We have perfected our scientific management—so you can focus on the research. Our wide array of multi-site and international research and program management services includes everything from budgets to staffing to special equipment purchasing.

Market Your Technology

HJF facilitates collaboration between investigators and private industry partners worldwide to make innovative medical technologies available for clinical use and to take leading edge products to market. Our technology transfer experts assist you in creating translating research strategies, executing collaboration and licensing agreements, protecting and managing intellectual property, and establishing agreements for the exchange of information materials and data across institutions and organizations.

Data-based decision-making tools | Cancer Moonshot | Bioinformatics | Computerized statistical models | Genomics | Bio-banked tissue

Advancing Military Medicine

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Military precision medicine has developed from incredible advances focused on providing customizable treatments. HJF-supported research programs and facilities lead the advancement in precision medicine by developing data-driven decision-making tools for military and civilian surgeons and identifying disease-susceptibility genomic fingerprints through comparative whole genome sequencing.

Programs

Surgical Critical Care Initiative

The Surgical Critical Care Initiative (SC2i) was established in 2013 to develop data-based decision-making tools to help physicians determine the best treatments to employ and when to use them, allowing them to save lives and improve recovery for their military and civilian patients. Approaches are designed to reduce costs and improve the quality of care for the critically ill across many disciplines, including surgery, critical care, emergency medicine, orthopedics, transplantation and oncology. SC2i unites clinicians and scientists in gathering and analyzing information from simple observation to bio-banked tissue samples. They use the data in computerized statistical models to produce decision-guidance tools.

Several organizations lend expertise to the program, including Uniformed Services University (USU), Emory University School of Medicine, Duke University School of Medicine, Naval Medical Research Center, Walter Reed National Military Medical Center (WRNMMC) and DecisionQ.

Cancer Moonshot Initiative

The ultimate goal of the Cancer Moonshot Initiative, announced by President Obama in 2016, is to advance cancer prevention, diagnosis and treatment within five years. In pursuit of this goal, the Initiative's task force approached the HJF-supported John P. Murtha Cancer Center (MCC). The Center, a program of USU, clinically based at WRNMMC in Bethesda, Maryland, is the only tri-service-approved cancer center of excellence in the DoD.

Craig Shriver, M.D., FACS, COL, USA (Ret.) director of MCC and founding director and principal investigator of the Breast Cancer Translational Research Center, created the Applied Proteogenomics Organizational Learning and Outcomes (APOLLO) consortium. APOLLO is a tri-agency coalition among the Department of Veteran Affairs, DoD and the National Cancer Institute aiming to sequence genomes from thousands of active-duty cancer patients to produce a precise treatment response for patients, as well as to predict and preempt disease.

Collaborative Health Initiative Research Program

Collaborative Health Initiative Research Program (CHIRP), an interagency endeavor between USU and the National Institutes of Health's National Heart, Lung and Blood Institute (NHLBI), supports joint research efforts to predict and preempt disease, mitigate and repair traumatic injury, optimize performance and resilience, and generate therapeutic options in heart, lung, blood and sleep (HLBS) disorders.

The collaboration leverages emerging technology in whole genome sequences and "big data" science to promote precision medicine and protective health. CHIRP aims to identify novel genes influencing common, complex and rare HLBS disorders using whole genome sequencing approaches in families, cases (case-control designs) and cohorts of populations. The initiative also aims to use functional genomics to identify roles of HLBS-associated genetic variants in gene regulation.