

SPINAL CORD INJURY RESEARCH PROGRAM

BRINGING PRODUCTS TO PEOPLE

MISSION: To fund research and encourage multidisciplinary collaborations for the development and translation of more effective strategies to improve the health and well-being of Service Members, Veterans, and other individuals with spinal cord injury



FY22 Funding Mechanisms



IIRA - ECPPIO





Early Career Partnering Principal Investigator Option (ECPPIO)

An early-career partnering
Principal Investigator (PI)
option will be available for
all funding mechanisms.
If exercised, this option allows
2 awards to be made for funded
projects with the early-career
investigator named as PI of
their own award.

Deadlines

23 May 2022Pre-Applications Due

2 September 2022

Full Applications Due

November 2022

Peer Review

January 2023

Programmatic Review

FY22 Focus Areas

SCIRP uses Focus Areas to target research funding to the highest program priority needs.



Preserving and protecting spinal cord tissue at time of injury for improved neurologic outcomes



Identifying and validating biomarkers for diagnosis, prognosis, and for evaluation of treatment efficacies



Developing, testing, and validating promising interventions to address bowel, genitourinary, neuropathic pain, cardiopulmonary, or autonomic dysfunction in people with SCI



Investigating psychosocial issues relevant to people with SCI, their families, and/or their care-partners



Rehabilitation and regeneration — maximizing the function of the residual neural circuitry, including harnessing neuroplasticity and recovery to improve function after SCI

Employing Community Collaborations

The Spinal Cord Injury Research Program (SCIRP) believes that capturing and integrating the unique perspectives of people living with SCI, through collaborative research approaches, will enable better and more impactful research outcomes. Research teams are therefore required to establish and utilize effective and equitable collaborations and partnerships with community members to maximize the translational and impact potential of the proposed research. Collaborative research approaches may include Lived Experience Consultants, partnership with community-based organizations, or establishment of Community Advisory Boards, which will provide advice and consultation throughout the planning and implementation of research projects.

- Community Partner(s) are named at the time of pre-application submission.
- A Collaborative Research Plan is submitted with the full application.
- IIRA applications are exempt from this requirement.

Spinal Cord Injury is a whole body problem requiring healthcare solutions addressing the entire continuum of care.



Clinical Phase 0



SCIRP funds across the research and development spectrum



Funded FY20 Investigator-Initiated Research Awards

- The Impact of Injustice Appraisals on Pyschosocial Outcomes Following Spinal Cord Injury: A Longitudinal Study, Dr. Kimberley Monden, University of Minnesota
- Chronic Studies of Spinal Cord Stimulation for Restoration of Bladder Function, Dr. Warren Grill, Duke University

Translational

Funded FY20 Translational Research Awards

- Anticipating Efficacy of Nerve Transfers in SCI Using Quantitative Neurophysiology, Dr. Justin Brown, Massachusetts General Hospital
- Eccentric Motor Training with Neuromodulation and Biomarkers for Rehabilitation Readiness in Subacute SCI, Dr. Michele Basso, The Ohio State University

Funded FY20 Clinical Trial Awards

- Development of a Novel Soluble Epoxide Hydrolase Inhibitor as a Strategy for Treating Neuropathic Pain in Patients with Spinal Cord Injury, Dr. Laura Carbone, Augusta University
- Dosing of Overground Robotic Gait Training with Functional Outcomes and Neuroplasticity After Spinal Cord Injury (DOOR SCI), Dr. Chad Swank, Baylor Scott & White Research Institute
- Monitoring Spinal Cord Hemodynamics with Near-Infrared Spectroscopy After Acute Spinal Cord Injury, Dr. Brian Kwon, University of British Columbia

SCIRP Portfolio by Primary Care Topic

Sociological \$14M Acute SCI Management \$24M SC Pathology & Repair \$57M Grand Total \$281M SCI: Motor/Sensory Function \$73M

SCIRP Portfolio by Healthcare Solutions

