

DoD Peer Reviewed Orthopedic Research Program (PRORP)

Each year, the Department of Defense's office of the Congressionally Directed Medical Research Programs (CDMRP) assesses scientific opportunities to advance research in specific areas. The investigators supported by individual programs are making significant progress against targeted diseases, conditions, and injuries. This list is not intended to be a full representation of accomplishments, but rather a sampling of the broad portfolio of research and advances resulting from congressional appropriations.

Year	PRORP Research Contributions	Additional Information and Hyperlinks
2009	Dr. Aaron Dollar developed a body-powered prosthetic hand prototype that allows for a range of grasping positions and the ability to adapt passively to the shape of any object within its grasp.	<ul style="list-style-type: none"> • PRORP Research Highlight
2009	Dr. Brian Glaister developed a physical exotendon orthotic device to facilitate walking for individuals with significant mobility impairments.	<ul style="list-style-type: none"> • PRORP Video Highlight
2009	Dr. Stefania Fatone created a course and webinar to train prosthetic and orthotic professionals on the proper use of a new vacuum-fitted subischial socket that was also developed by her research team. A patent application has been filed for this device, which is believed to provide additional flexibility along with a more comfortable fit when compared to other subischial socket designs.	<ul style="list-style-type: none"> • FY09 PRORP Technology Development Award Abstract
2010	Dr. Steven Stanhope and colleagues established the Bridging Advanced Developments for Exceptional Rehabilitation, or BADER, Consortium to conduct clinical research to optimize evidence-based orthopaedic rehabilitation care for wounded warriors.	<ul style="list-style-type: none"> • PRORP News Release
2011	Dr. Harold Sears developed a gripping system for prosthetic hand devices that features automatic and manual adjustments for grasping motions.	<ul style="list-style-type: none"> • FY11 PRORP Technology Development Award Abstract