

\$815K NIH Grant Supports PhysioNetics' Work on Low-Cost Prosthetics

DENVER (September 13, 2010): ADA Technologies, Inc.'s PhysioNetics division has been awarded an \$815,000 grant from the National Institutes of Health, National Institute of Child Health and Human Development. The Phase II award will enable PhysioNetics to complete design refinements and commercialization activities for its low-cost upper-extremity prosthetic interface, also known as a "socket."

Ongoing tests with amputees have demonstrated the technical and economic feasibility of creating a comfortable low-cost socket that can be easily adjusted to accommodate residual limb variations in shape and volume. Dubbed the Johnson Veatch Interface (JVI), the patent-pending socket is significantly less expensive than other available prosthetic sockets. The interface makes possible new prostheses that are affordable for several-hundred thousand upper-extremity amputees worldwide who live in impoverished regions or lack financial means. Standard existing prostheses cost thousands of dollars, making them unavailable to economically disadvantaged amputees.

"The cost of purchasing, repairing and maintaining prostheses, combined with a lack of clinical infrastructure in some countries precludes a large percentage of the world's amputee population from accessing modern prosthetic technologies," said PhysioNetics' Principal Investigator and Chief Technology Officer Alwyn P. Johnson. "Recent crises around the world continue to highlight the need for prosthetic devices that are affordable and field-deployable. By collaborating with funding agencies and humanitarian groups, we will provide disadvantaged amputees new prosthetic options that enable them to live more independently while improving their quality of life," Johnson said.

The JVI is a core component of PhysioNetics' International Transradial Adjustable Limb (ITAL), an affordable body-powered upper-extremity prosthesis being marketed worldwide. Evaluations of the ITAL by amputees in Jamaica, Colombia and Colorado have proven the units survive strenuous activities like those associated with farming, ranching and other occupations requiring physical strength and dexterity. PhysioNetics was recognized by the 2009 Champions in Healthcare awards program for its work on the ITAL and improving the health of amputees.

PhysioNetics

PhysioNetics, currently a division of ADA Technologies, Inc., designs and manufactures affordable, functional prosthetic and orthotic components for markets throughout the world.

PhysioNetics' creative engineering and innovative technologies emphasize versatility and functionality, enabling clinicians to create customized solutions never before available. PhysioNetics' products and technologies include functional, reliable, and aesthetically pleasing devices that enable upper-extremity amputees to comfortably and easily perform activities necessary for living. For more information, please visit www.physionetics.org or call 303-874-8274.

ADA Technologies, Inc.

ADA Technologies, Inc. is a research, development, and commercialization company that specializes in creating and converting innovative technologies to commercial successes. The firm is headquartered in Littleton, Colorado. ADA has received more than 130 research grants totaling more than \$40 million. ADA has received numerous honors, including: 2006 Tibbetts Award, 2006, 2007 & 2008 Colorado Technology Fast 50, 2006 & 2007 Best Companies to Work For in Colorado and Colorado's Top Technology Company 2005. For more information, please visit www.adatech.com or call 303-792-5615.

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