Decellularized muscle grafts support skeletal muscle regeneration to treat tissue loss
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The article entitled "Decellularized Muscle Supports New Muscle Fibers and Improves Function Following Volumetric Injury" was coauthored by Barbara Boyan, PhD, Virginia Commonwealth University (VCU), Richmond and Georgia Institute of Technology, Atlanta and colleagues from VCU and Musculoskeletal Transplant Foundation, Edison, NJ and University of Texas Health Science Center at San Antonio. The researchers demonstrated less scar tissue formation and more new neuromuscular receptors using a decellularized muscle matrix than either a rat muscle autograft or collagen plugs to repair large muscle defects.

"This article demonstrated the potential of decellularized tissue grafts for use as scaffolds in tissue engineering applications," says Tissue Engineering Co-Editor-in-Chief Antonios G. Mikos, PhD, Louis Calder Professor at Rice University, Houston, TX.


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