

Elisabeth Barton

Professor/Associate Dean at University of Florida

Gainesville, FL, US

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Biography

Elisabeth Barton is a molecular physiologist with a primary interest in skeletal muscle repair. Her work has broad applications including accelerating the resolution of muscle damage after acute injuries, altering the balance between damage and repair in chronic injury associated with neuromuscular disease, and enhancing the repair axis in aging muscle. She has spent the last 20 years studying insulin-like growth factor I, a key player in the muscle regeneration process. More recently, Barton has focused on how muscles sense load, and how these sensors become dysfunctional in muscle disease. Her research has been supported by grants from NIH, NASA, Muscular Dystrophy Association and the DOD.

Industry Expertise

Education/Learning, Health and Wellness

Areas of Expertise

Space, Viral Gene Therapy, Optimization of IGF-I for Muscle Therapeutics, Mechanical Signal Transduction, Skeletal Muscle Repair, Muscular Dystrophy

Affiliations

American Society for Cell Biology : Member, American Physiological Society : Member, Biophysical Society : Member

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