NJIT™
New Jersey's Science & Technology University

ENGINEERING FOR LIFE:

Biomedical Advances at the Edge at NJIT

- **Richard Foulds, Sergei Adamovich and Bruno Mantilla** lead NJIT's new Rehabilitation Engineering Research Center, funded in part by a $4.75 million grant from the National Institute on Disability and Rehabilitation Research. In partnership with Children's Specialized Hospital in New Jersey, the largest pediatric rehabilitation hospital in the nation, the program is developing technologies to help children with orthopedic disabilities from cerebral palsy, brain injuries, and other conditions.

- Other initiatives at the Edge:

  - **Treena Livingston Arinzeh**, Presidential Early Career Award recipient, is developing new methods for regrowing and strengthening damaged bone and connective tissue.

  - **Mesut Sahin** is developing a new type of neural prosthesis for patients with spinal cord injuries and diseases such as muscular dystrophy.

  - **Bryan J. Pfister** is developing new techniques to accelerate the growth of axons, components of the nervous system that interconnect nerve cells, for use in surgical repair of damage to the nervous system.

Learn more about NJIT's research in biomedical engineering at:
biomedical.njit.edu/

Photo by Peter Vidor

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THE EDGE IN KNOWLEDGE

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