Nanofiber scaffolds facilitate functional regeneration of peripheral nerve injury

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**ABOUT THE COVER**

A bioengineered nerve conduit constructed with self-assembling nanofiber scaffold (SAPNS) and aorta canal segment was applied to bridge a 10 mm sciatic nerve defect. The conduit facilitated axonal regeneration and remyelination with functional recovery. (A) Regenerated axons (*red*) in the conduit. (B) Higher power microgram showing the regenerated axons (*red*) wrapped with myelin (*green*). (C) Myelinated axon (EM image).
In this feature article by Zhan et al, a novel self-assembling nanofiber scaffold is reported to promote regeneration of peripheral nerves in a sciatic nerve injury model. The promising results and the obvious medical need raises hope for a clinical translation of this approach hopefully in the near future. (From the Clinical Editor)