

3D-printed Scaffolds for Spinal Cord Repair

- **Uses 3d printing with biocompatible hydrogel and silicone to create scaffolds that guide stem cells growth** across spinal cord injuries
- **Seeds spinal stem cells directly into the scaffold's microscopic channels**, where they divide and form neurons that connect along the structure
- **Restores nerve connections in rats** as the printed scaffolds merge with spinal tissue, showing early success

