

Name: Neil R. Malhotra M.D., Department of Neurosurgery

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Clinical Specialty: Neurosurgery

Research Interests:

Dr. Malhotra's primary research interests focus on restorative approaches to treat degenerative disc disease to reduce the need for invasive surgery and offer better treatment for those who do not meet rigorous surgical criteria. His interests focus on tissue engineering to develop treatments to restore native tissue mechanics of the spine while delivering therapeutic agents and supporting tissue regeneration.

Potential projects:

- * Biomechanical testing of polymer prototypes
- * Polymer implant tissue engineering:
 - Stem cell loading
 - Biomechanics
 - Cellular infiltration impact on mechanics
 - Drug delivery

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Assistant Professor

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