# PAGE MORTON HUNTER DISTINGUISHED SEMINAR SERIES

## INTERVERTEBRAL DISC REPAIR AND REGENERATION STRATEGIES

Degenerated intervertebral discs (IVDs) are commonly implicated in low back pain with few minimally invasive treatments. Painful IVD degeneration is associated with structural disruption including herniation of nucleus pulposus tissues through annulus fibrosus defects. Dr. Iatridis will present on strategies to promote repair and regeneration of annulus fibrosus defects. The talk will provide the audience with an understanding of the clinical, biomaterial, biomechanical, and biological factors in intervertebral disc herniation and strategies to repair and regenerate the intervertebral disc.

## James Iatridis, Ph.D.

*Professor of Orthopaedics,*
*Mount Sinai Health System*

James C. Iatridis, PhD is the Mount Sinai Endowed Chair in Orthopaedic Research, and Vice Chair for Research in Orthopaedics at the Icahn School of Medicine of the Mount Sinai Health System in New York City. James received his Ph.D. in Mechanical Engineering from Columbia University, was a Post-doctoral Fellow in Orthopaedics at the University of Vermont, became Professor of Biomedical Engineering at UVM, then moved to Mount Sinai in 2010. His research is focused on prevention and treatment of painful intervertebral disc pathologies and is published in over 175 papers. He was awarded the US Presidential Early Career Award for Scientists and Engineers (PECASE), the Berton Rahn Research Prize of the AO Foundation, and the North American Spine Society Henry Farfan Award in Basic Science Research among others. Dr. Iatridis is a Fellow of the Orthopaedic Research Society, International Combined Orthopaedic Research Societies, and the American Institute for Medical and Biological Engineering. He has created 2 PhD program in biomedical engineering, serves on editorial boards of multiple journals, previously Chaired the NIH SBSR study section, was inaugural Chair of the Orthopaedic Research Society Spine Section, and recently completed his term on the Presidential Line of the Orthopaedic Research Society.

**December 2, 2021 • 3:30 p.m.**

**Virtual seminar**

https://clemson.zoom.us/j/2630049993

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