Assistant Professor, Mechanical Engineering

The Department of Mechanical Engineering at University of Connecticut at Storrs is seeking applicants to conduct research at the interface of biomedicine, materials, and nano/micro technology in an NIH-funded project to create a biodegradable, highly-efficient piezoelectric Poly-L-Lactid acid simulator, and integrate it with a biological chondrocyte-seeded cartilage graft, forming a bionic cartilage tissue. Teach undergrad/grad courses in this line of expertise. Experience developing nanoscale biointegrated materials, devices, and platform technology for applications in vaccine/drug delivery and medical implants, and creating nanoscale electromechanical materials, devices, and their interfaces with biological cells and tissues for harvesting, sensing, and engineering cellular mechanics, required.

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Attn Dr. Horea Ilies, Department of Mechanical Engineering, University of Connecticut, 191 Auditorium Rd. U-3139, Storrs, CT, 06269.

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