UNIVERSITY OF DELAWARE
ENGINEERING

DEPARTMENT OF BIOMEDICAL ENGINEERING

2021 SEMINAR SERIES

SUZANNE A. MAHER, Ph.D.

Senior Scientist
Associate Director, Department of Biomechanics
Co-Director, Orthopedic Soft Tissue Research Program

HSS | Hospital for Special Surgery

12/3/2021

Zoom link HERE

Passcode: 2010

10:30 AM EST

ABSTRACT:

THE MYSTERIOUS & MISUNDERSTOOD MENISCUS

Dr. Maher has dedicated much of her career to studying the complex and poorly understood menisci of the knee joint. She will describe how she morphed her career to study this tissue, and review cadaveric models, computational models, and clinical models which she has developed and is using to quantify the risk factors for developing osteoarthritis after meniscal injury. One day she hopes to fully lift the veil of the mystery surrounding the function of this unusual tissue. Until then, she will share what she has learned and how her clinical collaborators are applying the knowledge gained to their patients.

BIOGRAPHY:

In a broader sense, my career is focused on fostering cross-disciplinary communication so that clinical challenges inform research directions and research findings translate to clinical care. Over my 20-year tenure at Hospital for Special Surgery (HSS), the largest orthopaedic specialty hospital in the US, I have established working relationships with MDs and PhDs across all career levels, and I pride myself on my ability to foster new collaborations within HSS, across the Cornell-HSS community, with external collaborators, and across international societies. I have successfully collaborated with radiologists, orthopaedic surgeons, engineers, biologists, and statisticians. In each project, whether it is a big-picture long-term project or a more focused short-term project, I collaborate with a surgeon champion to ensure that our direction is clinically relevant and logical. In one example, I translated over 10 years of research on cartilage repair into an NIH-funded spin-out a life sciences start-up company from HSS (the first in its +155-year history).

VISIT US ONLINE
for future lecture details
bme.udel.edu