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their research and
educational
accomplishments have
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Please Join Us as
Dr. Van C. Mow presents

Molecular and Cellular Biomechanics of Articular Cartilage

Abstract: All biological tissues and organs are comprised of cells, and their extracellular matrices that the cells manufacture and organize into tissues with specific functions. Genes are fundamental in controlling these cellular activities during growth, structural architecture and maintenance of the tissues and organs. Signals (biochemical, biophysical and biomechanical) are required to turn on and control these biosynthetic processes. This lecture will address some new understanding of the essential aspects of the mechano-signal transduction process that are often neglected by biologists and biochemists working in the field of signal transduction; these signals are necessary for maintaining normal tissue homeostasis.

Dr. Van C. Mow, a member of National Academy of Engineering, National Academy of Science and the Institute of Medicine, is one of the earliest, and most recognized, biomechanists in the world with 715 full-length, book chapters and meeting abstract publications. Among his many honors, he was the first PhD to be elected President of the Orthopaedic Research Society. He has established the Journal of Orthopaedic Research, and Cellular and Molecular Bioengineering. He led the effort at Columbia University to establish the Biomedical Engineering Department, a department with academic and educational programs that spans both Columbia's Engineering and Medical Schools.



****Wednesday, February 24, 2010 - 3:30PM – 4:30 PM**
McArthur Engineering Annex – MEA 202, Coral Gables

Light Refreshments will be provided

For more information, please contact Anne Schaerli
at 305-284-2908 or Aschaerli@miami.edu

****PLEASE NOTE....this Seminar is being held on a Wednesday**