

# Adam W. Feinberg, Associate Professor

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Professor Feinberg's lab is developing materials-based, engineering strategies to encode information in the 3-D environment of the cell. They are currently investigating the basic properties of engineered ECM and using this to build cardiac, skeletal and corneal tissues. On the basic science side, they are exploring the biomechanics and mechanobiology of engineered fibronectin, laminin and collagen nanofibers. On the applied side, they are merging developmental biology and materials science to build 2-D and 3-D scaffolds that drive stem cells to differentiate and form functional tissues.

Professor Feinberg holds a joint appointment in Materials Science & Engineering. He has published over 20 papers on cardiac tissue engineering and cell-material interfaces in journals such as *Science*, *Nature Biotechnology* and *Biomaterials*. He is also a recipient of the prestigious NIH Director's New Innovator Award and the NSF CAREER Award.

