



Sarah Heilshorn

ASSOCIATE PROFESSOR OF MATERIALS SCIENCE AND ENGINEERING AND, BY COURTESY, OF CHEMICAL ENGINEERING AND OF BIOENGINEERING

Web page: <http://mse.stanford.edu/faculty/heilshorn.htm>

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Bio

Heilshorn's interests include biomaterials in regenerative medicine, engineered proteins with novel assembly properties, microfluidics and photolithography of proteins, and synthesis of materials to influence stem cell differentiation. Current projects include tissue engineering for spinal cord and blood vessel regeneration, designing injectable materials for use in stem cell therapies, and the design of microfluidic devices to study the directed migration of cells (i.e., chemotaxis).

Academic Appointments

Associate Professor, Materials Science and Engineering
Associate Professor (By courtesy), Chemical Engineering
Associate Professor (By courtesy), Bioengineering
Member, Bio-X
Member, Cardiovascular Institute
Member, Maternal & Child Health Research Institute (MCHRI)
Affiliate, Precourt Institute for Energy
Faculty Fellow, Stanford ChEM-H
Member, Wu Tsai Neurosciences Institute

Honors & Awards

New Innovator Award, National Institutes of Health (2009)
CAREER Award, National Science Foundation (2009)
New Investigator Award, Petroleum Research Fund, American Chemical Society (2009)

Professional Education

PhD, Caltech, Chemical Engineering (2004)
MS, Caltech, Chemical Engineering (2000)
BS, Georgia Tech, Chemical Engineering (1998)

CONTACT

Academic