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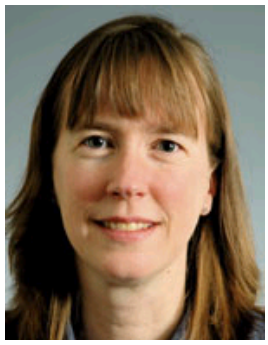
BME People

Monica Hinds



E-mail: monica.hinds@bme.ogi.edu
Phone: 503-418-9309

Current Appointments

Assistant Professor, Department of Biomedical Engineering

Office

Center for Health and Healing
3303 SW Bond Avenue
Mail code: CH13B

Rm #13036

Education

BSE, University of Pennsylvania, 1991
MS, Georgia Institute of Technology, 1992
PhD, The Johns Hopkins University, 1998

Department(s)

Biomedical Engineering

Research Interests

Relationship between fluid dynamics and extracellular matrix production by cells, vascular tissue engineering, role of mechanical stimulation in tissue engineered constructs, elastin based biomaterials.

Research Project(s)

Cardiac Development

Nondestructive tissue evaluation

Thrombosis and Hemostasis

Research Group(s)

Cardiovascular and Blood Research

Selected Publications

Hinds, M.T., Courtman, D.W., Goodell, T., Kwong, M., Brant-Zawadzki, H., Burke A., Fox B., Gregory K.W., Development of a xenogenic elastin based biomaterial: calcification and inflammatory effects of aluminum chloride treatment, Accepted to Journal of Biomedical Materials Research.

Kirkpatrick, S.J., Hinds, M.T., and Duncan, D.D., Acousto-optical characterization of the viscoelastic nature of a nuchal elastin tissue scaffold, Tiss. Eng., 2003.

PhD Student(s)

Vartanian, Keri

Current and Upcoming Classes (through Spring 2009)

Class Number	CRN	Title	Term

BME 545	22219	Biocompatibility: Host - Implant Interactions	Winter 2008
BME 645	22220	Biocompatibility: Host - Implant Interactions	Winter 2008