

Curriculum Vitae  
**Jennifer R. Hurley**

Department of Biomedical Engineering  
University of Cincinnati, ML 0048  
Cincinnati, OH 45221

e-mail: hurleyjr@email.uc.edu  
phone: 513-476-4019

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## **Education**

Ph.D., 2011, Biomedical Engineering - Concentration in Tissue Engineering  
University of Cincinnati  
Cincinnati, OH  
Advisor: Daria A. Narmoneva, Ph.D.

B.S., 2002, Chemical Engineering - Illinois Institute of Technology  
Chicago, IL  
Minor in Biomedical Engineering  
Certificate in Leadership Studies

Other Coursework - Graduate courses, Biomedical Eng.  
Boston University, Boston, MA  
(2002-2003)

## **Professional and Teaching Experience**

Research Trainee, 2006-present  
Department of Biomedical Engineering  
University of Cincinnati, Cincinnati, OH  
Teaching Assistant, 2007-2008  
Department of Biomedical Engineering  
University of Cincinnati, Cincinnati, OH  
Institute Coordinator, 2003-2005  
Institute of Psychology  
Illinois Institute of Technology, Chicago, IL  
Public Policy and Engineering Intern, 2001  
Washington Internships for Students of Engineering (WISE)  
American Institute of Chemical Engineers, Washington, DC  
Process Engineering Intern, 2000  
Phillips Alaska, Inc., Anchorage, AK

## **Honors, Awards and Fellowships**

Finalist, MS Student Paper Competition, Summer Bioengineering  
Conference, June 2008

Integrative Graduate Education and Research Traineeship (IGERT),  
National Science Foundation and University of Cincinnati,  
2006-2009

Dean's Fellowship, Boston University, 2002

Leadership Academy Scholarship, Illinois Institute of Technology,  
2000-2002

Tau Beta Pi, Engineering Honor Society, Illinois Institute of  
Technology, inducted 2000

Dean's List, Illinois Institute of Technology, 1998-2002

Camras/NEXT Scholarship, Illinois Institute of Technology, 1998-2002

### **Peer-Reviewed Abstracts**

Hurley JR, Balaji S, Narmoneva DA, "Temporal Mediation of  
Angiogenesis by Fibroblasts via Chemical Signaling and  
Extracellular Matrix Remodeling", American Heart Association  
Scientific Sessions, submitted June 2008.

Hurley JR, Narmoneva DA, "Regulation of Angiogenesis via  
Fibroblast-Mediated Matrix Remodeling", Podium  
Presentation, Biomedical Engineering Society Fall Meeting,  
October 2008.

Hurley JR, Narmoneva DA, "Fibroblasts Induce Mechanical  
Changes in the Extracellular Environment and Enhance  
Capillary-Like Network Formation", ASME 2008 Summer  
Bioengineering Conference, June 2008.

Hurley JR, Marcotte KE, Narmoneva DA, "Fibroblasts Regulate the  
Extracellular Mechanical Environment and In Vitro Capillary-  
Like Network Formation", Podium Presentation, Midwest Tissue  
Engineering Consortium, April 2008.

Hurley JR, Balaji S, Marcotte KE, Narmoneva DA, "Fibroblasts  
Facilitate In Vitro Angiogenesis via Regulation of Chemical  
and Mechanical Environments", Biomedical Engineering  
Society Fall Meeting, September 2007.

### **Invited Lectures**

"Ischaemic Tissue Revascularization", IGERT Seminar Series, University  
of Cincinnati, February 2008.

"IGERT Research Topics", IGERT Seminar Series, University of  
Cincinnati, October 2006.

"Optimum Design of Solar Desalination Process", Interprofessional  
Projects Day, Illinois Institute of Technology, April 2002.

"Moving Towards Biomass: Current Support for Biomass Usage in the  
United States", National Science Foundation, Washington DC,  
August 2001.

## **Other Abstracts and Publications**

Hurley JR, Narmoneva DA, "Fibroblasts Alter the Extracellular Mechanical Environment and Enhance Capillary-Like Network Formation", IGERT Project Meeting, May 2008.

Hurley JR, Narmoneva DA, "Fibroblasts Alter the Extracellular Mechanical Environment and Promote In Vitro Angiogenesis", University of Cincinnati Graduate Student Poster Forum, March 2008.

Walden JR, "Moving Towards Biomass: Current Support for Biomass Usage in the United States", American Institute of Chemical Engineers, 2001.