MARIAH S. HAHN, PhD
Assistant Professor, Department of Chemical Engineering
Texas A&M University
http://www.hahntissuelab.com

EDUCATION/TRAINING

Rice University, Houston, TX
Post-doctoral Researcher, 09/2004-07/2005, Bioengineering
Advisor: Dr. Jennifer West, Department of Bioengineering

Massachusetts Institute of Technology, Cambridge, MA
Ph.D., 09/2004, Electrical Engineering (Bioelectrical Concentration)
Advisor: Dr. Robert Langer, Department of Chemical Engineering

Stanford University, Stanford, CA
M.S., 01/2001, Electrical Engineering

University of Texas at Austin, Austin, TX
B.S., 05/1998, Chemical Engineering

PROFESSIONAL APPOINTMENTS

Assistant Professor, Texas A&M University Department of Chemical Engineering	08/2005-
Adjunct Professor, Texas A&M University Department of Biomedical Engineering	08/2005-

HONORS AND AWARDS

NSF CAREER Award	2010-2015
ASEE GSW Young Faculty Award	2009
College of Engineering Select Young Faculty Award	2009
ACS PROGRESS/Dreyfus Lectureship Award	2008
National Science Foundation Graduate Fellowship	1999-2002
John Linvill Fellowship	2000
Jodie Isenhower Presidential Scholarship	1997
National Science Scholar	1995

PEER-REVIEWED PUBLICATIONS

*Corresponding author italicized.

1. C. Yang, A. Wax, **M. Hahn**, K. Ramashandran, and *M. Feld*. (2001). Phase-referenced interferometer with subwavelength and subhertz sensitivity applied to the study of cell membrane dynamics. Optics Letters 26 (16):1271-73.
2. **M.S. Hahn,** J. Kobler, S. Zeitels, *R. Langer*. (2005). Midmembranous vocal fold lamina propria proteoglycans across selected species. Annals of Otology, Rhinology, and Laryngology. 114 (6): 451-62. PMID: 16042103
3. **M.S. Hahn**, J.S. Miller, *J.L.West*. (2005). Laser scanning lithography for surface micropatterning on hydrogels. Advanced Materials. 17 (24): 2939-42.
4. M.S. Hahn, B. Teply, M. Stevens, S. Zeitels, *R. Langer*. (2006). Collagen composite hydrogels for vocal fold lamina propria restoration. Biomaterials. 27 (7): 1104-9. PMID: 16154633
5. **M.S. Hahn**, J. Kobler, B. Starcher, S. Zeitels, *R. Langer*. (2006). Quantitative and comparative studies of the vocal fold extracellular matrix I: Elastic fibers and hyaluronan. Annals of Otology, Rhinology, and Laryngology.115 (2):156-64. PMID: 16514800

6. **M.S. Hahn**, L. Taite, J. Moon, M. Rowland, K. Ruffino, *J.L. West*. (2006). Photolithographic patterning of poly(ethylene) glycol hydrogels. Biomaterials. 27(12):2519-24. PMID: 16375965
7. J.S. Miller, M. I. Bethencourt, **M. Hahn**, T.R. Lee, *J.L. West*. (2006). Laser-scanning lithography (LSL) for the soft lithographic patterning of cell-adhesive self-assembled monolayers. Biotechnology and Bioengineering. 93 (6): 1060-8. PMID: 16444742
8. **M.S. Hahn**, J. Kobler, S. Zeitels, *R. Langer*. (2006). Quantitative and comparative studies of the vocal fold extracellular matrix II: Collagen. Annals of Otology, Rhinology, and Laryngology. 115 (3):225-32. PMID: 16572613
9. **M.S. Hahn,** J. Miller, *J. West*. (2006). Three dimensional biochemical and biomechanical patterning of hydrogels for guiding cell behavior. Advanced Materials. 18 (20): 2679-84.
10. **M.S. Hahn**, M.K. McHale, E. Wang, R. Schmedlen, *J. West*. (2007). Physiologic pulsatile flow bioreactor conditioning of poly(ethylene glycol)-based tissue engineered vascular grafts. Annals of Biomedical Engineering. 35 (2): 190-200. PMID: 17180465
11. J.J. Moon, S-H Lee, **M.S. Hahn**, B.A. Nsiah and *J.L. West*. (2007). Regulation of endothelial angiogenesis and vasculogenesis in synthetic poly(ethylene glycol) hydrogels modified with biomolecules. FASEB Journal. 21:706-15.
12. R. Murthy, C.D. Cox, **M.S. Hahn**, *M.A. Grunlan*. (2007). Protein-resistant silicones: Incorporation of PEO via siloxane tethers. Biomacromolecules. 8(10):3244-52. PMID: 17725363
13. H. Liao, D. Munoz-Pinto, X. Qu, Y. Hou, M. Grunlan, ***M.S. Hahn***. (2008). Influence of hydrogel mechanical properties and mesh size on vocal fold fibroblast extracellular matrix production. Acta Biomaterialia. 4(5): 1161-71. PMID: 18515199
14. Y.Hou, A.R. Matthews, A.M. Smitherman, A.S. Bulick, **M.S Hahn**, H. Hou; A. Han, *M.A. Grunlan*. (2008). Thermoresponsive nanocomposite hydrogels with cell-releasing behavior. Biomaterials. 29(22): 3175-84. PMID: 18455788
15. ***M.S. Hahn***, C. Jao, W. Faquin, J. Grande-Allen. (2008). Glycosaminoglycan composition of the vocal fold lamina propria in relation to function. Annals of Otology, Rhinology, and Laryngology. 117(5): 371-81. PMID: 18564535
16. J. Moon, **M.S. Hahn**, X. Li, *J. West*. (2009). Micropatterning of poly(ethylene glycol) diacrylate hydrogels with biomolecules to regulate and guide endothelial morphogenesis. Tissue Engineering. 15(3):579-85. PMID: 18803481
17. A.S. Bulick, D. Munoz-Pinto, M. Mani, D. Cristancho, M. Urban, ***M.S. Hahn***. (2009). Impact of endothelial cells and mechanical conditioning on smooth muscle cell extracellular matrix production and differentiation. Tissue Engineering. 15(4):815-25. PMID: 19108675
18. D. Munoz-Pinto, A. Bulick, ***M.S. Hahn***. (2009). Uncoupled investigation of scaffold modulus and mesh size on smooth muscle cell behavior. J Biomed Mater Res A. 90(1):303-16. PMID: 19402139
19. D. Munoz-Pinto, P. Whittaker, ***M.S. Hahn***. (2009). Lamina propria cellularity and collagen composition: An integrated assessment of structure in humans. Annals of Otology, Rhinology, and Laryngology. 118(4):299-306. PMID: 19462852
20. D. Munoz-Pinto, C.A. Jimenez-Vergara, L.M. Gelves, R. McMahon, V. Guiza-Arguello, ***M.S. Hahn***. (2009). Probing vocal fold fibroblast response to hyaluronan in controlled 3D contexts. Biotechnology and Bioengineering. 104(4):821-31. PMID: 19718686
21. J. Gaspard, ***M.S. Hahn***, J.A. Silas. (2009). Polymerization of hydrogels inside self-assembled block copolymer vesicles. Langmuir. 5(22):12878-84. PMID: 19835397
22. A. Rocha, **M.S. Hahn**, *H. Liang*. (2010). Critical-Fluid-Shear-Stress Analysis for Cell-Polymer Adhesion. Journal of Materials Science. 45(3): 811–17
23. D. Munoz-Pinto, R. McMahon, M. Kanzelberger, A.C. Jimenez-Vergara, Y. Hou, M. Grunlan, ***M.S. Hahn***. (2010). Inorganic-organic hybrid scaffolds for osteochondral regeneration. J of Biomed Mater Res A. Epub 02/05/2010. PMID: 20128006
24. H. Hou, Y. Hou, M.A. Grunlan, D. Munoz-Pinto, **M.S. Hahn**, *A. Han*. Micropatterning of poly(N-isopropylacrylamide) PNIPAAm hydrogels: Effect on thermosensitivity and cell-release behavior. Sensors and Materials. In Press.
25. Y. Hou, C.A. Schoener, K.R. Regan, D. Munoz-Pinto, **M.S. Hahn**, *M.A. Grunlan*. (2010). Photo-crosslinked $PDMS_{star}$-PEG hydrogels: Synthesis, characterization, and potential application for tissue engineering scaffolds. Biomacromolecules. Epub 02/12/2010. PMID: 20146518

26. C.A. Jimenez-Vergara, R. McMahon, D. Munoz-Pinto, L. Cubero-Ponce, A. Morales, ***M.S. Hahn***. Approach for fabricating tissue engineered vascular grafts with stable endothelialization. Annals of Biomedical Engineering. In Revision.

PEER-REVIEWED BOOK CHAPTERS

*Corresponding author(s) italicized.

1. *R.J. Clifton*, X. Jia, T.Jia, C. Bull, **M.S. Hahn**. "Viscoelastic Response of Vocal Fold Tissues and Scaffolds at High Frequencies." *Mechanical of Biological Tissue*. Eds. G.A. Holzapfel, R.W. Ogden (2006).
2. ***M. Hahn*** and *B. Bouma*. "Optical Coherence Tomography." *Scott Brown's Otorhinolaryngology: Head and Neck Surgery*, 7th Ed. Hodder Arnold. (2008).
3. ***M.S. Hahn***. "Mechanical Stimulation and Biomimetic Scaffolds for Tissue Engineered Vascular Grafts". *E-Book: Topics in Tissue Engineering* (2008).

INVITED PRESENTATIONS

1. M.S. Hahn. Engineering the Vocal Fold Mucosa. Department of Chemical Engineering. Texas A&M University. 02/2004.
2. M.S. Hahn. Physiologic Pulsatile Flow Conditioning of PEG-Based Tissue Engineered Vascular Grafts. Department of Biomedical Engineering. Texas A&M University. 05/2005.
3. M.S. Hahn. Photopatterning Hydrogels for Tissue Engineering Applications. Center for Advanced Microstructures and Devices. Louisiana State University. 06/2006.
4. M.S. Hahn. Photopatterning Hydrogels for Tissue Engineering Applications. Professional Program in Biotechnology. Texas A&M University. 08/2006.
5. M.S. Hahn. Pulsatile Flow Bioreactor for Blood Vessel Tissue Engineering. Department of Systems Biology and Translational Medicine. Texas A&M Health Science Center. 01/2006.
6. M.S. Hahn. Proteoglycan and Collagen Composition of the Vocal Fold Lamina Propria – Toward Vocal Fold Regeneration. ICALB Phonosurgery Symposium. University of Wisconsin-Madison. 07/2008.
7. M.S. Hahn. Toward Rational Scaffold Design for Tissue Engineering Vascular Graft Applications. NSF/IGERT Seminar Series, Department of Biomedical Engineering, University of Texas-Austin. 02/2008.
8. M.S. Hahn. Engineering the Stem Cell Microenvironment – Influence of Scaffold Bioactivity and Microorganization. Department of Biomedical Engineering. University of Minnesota-Minneapolis. 10/2008.
9. M.S. Hahn. Biofuels and Bioremediation. 1st Annual Graduate Student Convention. Puerto Rico. 03/2009.
10. M.S. Hahn. Modulation of Scaffold Material Properties to Guide Stem Cell Differentiation. Houston Society for Engineering in Medicine and Biology. Cell, Molecular, and Tissue Engineering Session Keynote. 03/2009.
11. M.S. Hahn. Tissues, Cross-Discipline Research, and Life as a Graduate Student. Annual Undergraduate Research Scholars Program. Texas A&M University. 08/2009
12. M.S. Hahn. Directing Mesenchymal Stem Cell Differentiation Through Biomaterial Properties. TX-UK Stem Cells and Regenerative Medicine Workshop. 09/2009.
13. M.S. Hahn. Programming Mesenchymal Stem Cell Lineage Progression. Department of Biomedical Engineering. Case Western Reserve University. 10/2009.
14. M.S. Hahn. Programming Mesenchymal Stem Cell Lineage Progression. Department of Chemical and Biomolecular Engineering. Ohio State University. 10/2009.
15. M.S. Hahn. Cell Interactions with Designer Collagen-Based Hydrogels. Center for Extracellular Matrix Biology, Institute of Biosciences and Technology. Texas A&M Health Science Center. 11/2009.
16. M.S. Hahn. Dependence of Mesenchymal Stem Cell Behavior on Microenvironmental Stimuli. Department of Chemical Engineering. University of Arkansas. 12/2009.
17. M.S. Hahn. Directing Mesenchymal Stem Cell Lineage Progression. Department of Chemical Engineering. University of Texas-Austin. 03/2010.
18. M.S. Hahn. Title to be announced. Department of Biomedical Engineering. University of Wisconsin-Madison. 04/2010.

CONFERENCE PRESENTATIONS

1. **M. Hahn**, R. Langer, and S. Zeitels. Tissue Engineering of the Vocal Cord Mucosa. *AIChE Annual Meeting,* San Francisco (2003).
2. **M. Hahn**, R. Langer, and S. Zeitels. Engineering the Vocal Fold Mucosa. *Tissue Engineering Society International*, Orlando (2003).
3. R. Clifton, **M. Hahn**, X. Jia, and T. Jiao. Viscoelastic Response of Vocal Fold Tissues and Scaffolds at High Frequencies. *Symposium on Mechanics of Biological Tissue*. Graz, Austria (2004).
4. **M. Hahn**, B. Teply, M. Stevens, A. Seiminski, S. Zeitels, and R. Langer. Hydrogels for Vocal Fold Restoration. *AIChE Annual Meeting,* Austin (2004).
5. **M. Hahn**, M. McHale, K. Nyugen, J. West. Effects of Pulsatile Flow on Tissue Engineered Vascular Grafts. *Society for Biomaterials Annual Meeting*, Memphis (2005).
6. J. Miller, **M. Hahn**, and J. West. Laser Scanning Lithographic and Soft Lithographic Patterning. *Society for Biomaterials Annual Meeting*, Memphis (2005).
7. *R. J. Clifton*, X. Jia, T. Jiao, C. Bull, **M. S. Hahn**. Viscoelastic Response of Vocal Fold Tissues and Scaffolds at High Frequencies*. Symposium on Mechanics of Biological Tissue* (2005).
8. **M. Hahn**, J. Miller, J. West. 3D Spatial Patterning of Poly(ethylene glycol) Hydrogels with Bioactive Ligands. *Biomedical Engineering Society Annual Meeting*, Baltimore (2005).
9. **M. Hahn**, J. Miller, J. West. Surface Micropatterning of Poly(ethylene glycol) Hydrogels. *AIChE Annual Meeting,* Cincinnati (2005).
10. M. McHale, **M. Hahn**, J. West. Tunable Hydrogel System for the Development of Tissue Engineered Vascular Grafts. *Society for Biomaterials Annual Meeting,* Pittsburgh (2006).
11. **M. Hahn**, J. West. Biomimetic Microcontrolled Materials for Guiding Cell Migration. *AIChE Annual Meeting*, San Francisco (2006).
12. Y. Hou, **M. Hahn**, M. Grunlan. $PDMS_{star}$-PEO Copolymer Hydrogels. *ACS Regional Meeting* (2006).
13. H. Liao, **M. Hahn**. Scaffold Pore Structure and Mechanical Properties and their Effects on TE Outcome. *Biomedical Engineering Society Annual Meeting*, Chicago (2006).
14. D. Munoz-Pinto, **M. Hahn**. Scaffold Pore Structure and Mechanical Properties and their Effects on TEVG Outcome. *AIChE Annual Meeting*, San Francisco (2006).
15. H. Liao, **M. Hahn**. PEG-Based Hydrogels as Vocal Fold Regeneration Matrices. *AIChE Annual Meeting*, San Francisco (2006).
16. D. Munoz-Pinto and **M. Hahn**. Investigation of the Effects of Defined Biochemical Stimuli on Embryonic Smooth Muscle Progenitor Cell Differentiation. *AIChE Annual Meeting*, Salt Lake City (2007).
17. D. Munoz-Pinto, Y. Hou, M. Grunlan, **M. Hahn**. Novel Inorganic-Organic Hydrogels for Tissue Engineered Vascular Grafts. *AIChE Annual Meeting*, Salt Lake City (2007).
18. X. Qu, M. Grunlan, **M. Hahn**. Modulating Smooth Muscle Cell Response with Novel Tunable Inorganic-Organic Hydrogels. *American Chemical Society*, New Orleans (2008).
19. A.S. Bulick and **M. Hahn**. Novel PDMS-PEO Hydrogels for Tissue Engineered Vascular Grafts. *AIChE Annual Meeting*, Philadelphia (2008).
20. D. Munoz-Pinto and **M. Hahn**. Novel Inorganic-Organic Hybrid Hydrogels for Bone Tissue Engineering. *AIChE Annual Meeting*, Philadelphia (2008).
21. X. Qu and **M. Hahn**. Evoking a Mature SMC Phenotype in Mouse Embryonic Progenitor Cells. *AIChE Annual Meeting*, Philadelphia (2008).
22. M. Kanzelberger, D. Munoz-Pinto, **M. Hahn**. Controlled Exploration of Synergistic Effects of Heterotypic Cell-Cell Interactions and Mechanical Stimulation on Blood Vessel Formation. *Society for Biomaterials*, San Antonio (2009).
23. R. McMahon, A.C. Jimenez-Vergara, **M. Hahn**. The Relative Impact of Scaffold Modulus Versus Applied Strain On Smooth Muscle Cell Behavior. *AIChE Annual Meeting*, Nashville (2009).
24. D. Munoz-Pinto, **M. Hahn**. Relative Influence of Scaffold Bioactivity Versus Modulus On Cell Behavior. *AIChE Annual Meeting*, Nashville (2009).
25. M. Grunlan, B. Bailey, Y. Hou, **M. Hahn**, D. Munoz-Pinto. $PDMS_{star}$-PEG Hydrogels: Fabrication and Use as Tissue Engineering Scaffolds. *Society for Biomaterials*, Seattle (2010).

26. D. Munoz-Pinto, B. Wang, T. Wilems, M-B Browning, E. Cosgriff-Hernandez, J. Rivera, B. Russell, M. Höök, **M. Hahn**. Bioactive Hydrogels based on Collagen-Mimetic Proteins. *Society for Biomaterials*, Seattle (2010).
27. M-B Browning, T. Wilems, **M. Hahn**, and E. Cosgriff-Hernandez. Decoupling PEG Hydrogel Mesh Size and Modulus with the Integration of 4-armed PEG. *Society for Biomaterials*, Seattle (2010).

RESEARCH FUNDING

Ongoing Research Support

1. DMR 0955259 Hahn (PI) 02/15/10-02/14/15
   CAREER: Programming Mesenchymal Stem Cell Fate – An Integrated Research and Education Approach
   Total Award Amount: $400,000
   Role: PI
2. AHA 0830102N Hahn (PI) 01/01/08-12/31/11
   National Scientist Development Grant: In vitro Platform for the Systematic Investigation of Scaffold Properties on TEVG Outcome
   Evaluate the dependence of smooth muscle cell behavior on specific scaffold properties.
   Total Award Amount: $308,000
   Role: PI
3. R03 DC008891 Hahn (PI) 12/01/07-11/31/10
   Tissue Engineering Evaluation of Material Implants for Vocal Fold Restoration
   Evaluate and compare various hydrogel-based implants for restoration of scarred vocal fold function.
   Total Award Amount: $206,658
   Role: PI
4. R03 DC008891-02S1 Hahn (PI) 08/01/09-07/31/10
   ARRA: Tissue Engineering Evaluation of Material Implants for Vocal Fold Restoration
   Competitive supplement to parent grant DC008891.
   Total Award Amount: $36,625
   Role: PI
5. R21 HL089964 Hahn, Grunlan (PIs) 08/01/08-07/31/10
   Novel Star-PDMS/PEO Hydrogel Scaffolds with Tunable Properties for TEVG
   Examine the potential of a novel class of inorganic-organic hybrid scaffolds for vascular graft applications.
   Total Award Amount: $376,298; Hahn Amount: $192,101
   Role: Joint PI
6. R21 HL089964-01A2S1 Hahn, Grunlan (PI) 08/01/09-07/31/10
   ARRA: Novel Star-PDMS/PEO Hydrogel Scaffolds with Tunable Properties for TEVG
   Competitive supplement to parent grant HL089964.
   Total Award Amount: $90,830
   Role: Joint PI
7. CBET 0731133 Karaman (PI) 09/01/07-08/31/10
   Design and In-vitro Characterization of Ni-free Biocompatible Shape Memory Alloys
   Examine the cytotoxicity and corrosion characteristics of TiNb alloys.
   Total Award Amount: $414,234; Hahn Amount: $185,148
   Role: Co-I
8. CBET 0853668 Goldstein, Hahn (PIs) 09/01/09-08/31/11
   Collaborative Research: Ligament Tissue Engineering
   Investigate hydrogel-electrospun mesh hybrid scaffolds for ligament tissue engineering.
   Hahn Award Amount: $82,500
   Role: Joint PI
9. DMR 0909170 Karaman (PI) 08/01/09-07/31/11
   Materials World Network: U.S.-Japan Research Collaboration in Meta-Magnetic Shape Memory Alloys with Enhanced Ductility and Controlled Porosity
   Investigate the cytotoxicity of porous Al-based alloys.

Total Award Amount: $329,246; Hahn Amount: $104,457
Role: Co-I

10. CBET 0854462 Grunlan (PI) 09/01/09-08/31/11
Micropatterned Thermoresponsive Nanocomposite Hydrogel Surfaces with Self-Cleaning Behavior
Probe the long-term non-biofouling behavior of nanocomposite hydrogels
Total Award Amount: $300,000; Hahn Amount: $78,569
Role: Co-I

Completed Research Support

1. Subcontract from Baylor College of Medicine Hahn (PI) 07/01/07-02/28/08
Pulsatile Release of Viral Particles for Pancreatic Cancer Treatment.
Total Direct Costs: $50,000.
Role: PI

TEACHING/MENTORING EXPERIENCE

Course Instruction

1. CHEN 464, Reactor Kinetics
Senior level core course, Texas A&M University, Fall 2005, Spring 2006, Spring 2007, Summer 2007
2. CHEN 424, Mass Transport Operations
Senior level core course, Texas A&M University, Fall 2007
3. CHEN 489/689, Tissue Engineering and Drug Delivery
Senior/graduate level elective course, Texas A&M University, Spring 2007
4. CHEN 481, Seminar
Graduate level course, Texas A&M University, Fall 2007, Spring 2008
5. CHEN 282, Engineering Biology
Sophomore level core course, Texas A&M University, Fall 2008, Spring 2009, Fall 2009, Spring 2010

Graduate Student Advisor/Mentor

Current

1. Dany Munoz-Pinto, Ph.D. candidate in Chemical Engineering, 03/06-present
2. Paul (Xin) Qu, Ph.D. candidate in Chemical Engineering, 09/06-present
3. Rebecca McMahon, Ph.D. candidate in Chemical Engineering, 09/07-present
4. KyungOh Choi, Ph.D. candidate in Chemical Engineering, 09/08-present
5. Bo Wang, Ph.D. candidate in Chemical Engineering, 09/08-present
6. A. Carolina Jimenez-Vergara, M.S. candidate in Materials Science, 09/08-present
7. Viviana Guiza-Arguello, Ph.D. candidate in Chemical Engineering, 01/10-present
8. Silvia Becerra-Bayona, Ph.D. candidate in Materials Science, 01/10-present

Alumni

1. Huimin Liao, M.S. Chemical Engineering, 05/07; currently employed at Fisher Wheeler as a process engineer
2. Christina Chern, M.S. Chemical Engineering, 12/08, currently employed at the US Patent Office as a patent reviewer
3. Allen Bulick, Ph.D. Chemical Engineering, 08/09, currently employed at Dow Chemical as a research scientist

Student Honors

1. Dany Munoz-Pinto, TEES Fellowship for Spanish Speaking Students, $1000, Fall 2009
2. Dany Munoz-Pinto, Deissler Fellowship (for excellence in graduate research), $5000, Fall 2009

Postdoctoral Advisor/Mentor

Current

1. Yaping Hou, Ph.D., 11/09-present

Undergraduate Student Advisor/Mentor

*students co-authored or to be co-authored on publications due to contributions are italicized

1. Lillian Rodriguez, Spring 2006
2. Caitlin Molloy, Summer 2006
3. Krishna Posim-Reddy, Fall 2007 (completed MS at Brown University)
4. *Matthew Urban, Spring 2007*
5. Carolyn Pearce, Summer 2007 (currently attending UT Galveston Medical School)
6. *Leidy Marcela Gelves*, Fall 2007 (completed MS at UIS, Colombia)
7. Sandra Iacob, Fall 2007-Spring 2009 (currently applying to MD-PhD programs)
8. *Diana Ortiz*, Spring 2007
9. Patricia Ramirez, Spring 2007 (currently pursuing a PhD in France)
10. Jason Griffin, Summer 2007
11. *Deissy Cristancho, Fall 2008*
12. Galina Sukhonosova, Spring 2008 (currently pursuing a PhD at Texas A&M)
13. Rohan Parolkar, Summer 2008 (currently applying to PhD programs)
14. *Lynnette Cubero-Ponce, Summer 2008*
15. *Anabel Morales, Summer 2008*
16. *Viviana Guiza-Arguello, Fall 2008* (currently pursuing a PhD at Texas A&M)
17. Brian Wagner, Fall 2008
18. Trevor Tumlinson, Summer 2009 (currently applying to medical school)
19. Bethany Vlaiku, Summer 2009 (currently applying to PhD programs)
20. Robert Rogers, Fall 2009-present

PROFESSIONAL ACTIVITIES

Professional Memberships

American Chemical Society (ACS), American Institute of Chemical Engineers (AIChE), American Society of Engineering Education (ASEE), Biomedical Engineering Society (BMES), and Society for Biomaterials (SFB)

National Committees

AIChE, Area 8b (Biomaterials), 2010 Vice-Chair	2009-2010
SFB, Tissue Engineering Special Interest Group Program Chair	2009-2010
AIChE Women's Initiative Committee, Chair (AIChE)	2008-2009
AIChE Women's Initiative Committee, Vice Chair (AIChE)	2007-2008

Sessions Chairs

SFB Annual Meeting	2009, 2010
AIChE Annual Meeting	2007-2009
BMES Annual Meeting	2006

Journal Reviewer

Reviewed manuscripts for *Advanced Materials*, *Biomaterials*, *Tissue Engineering*, *Biotechnology and Bioengineering*, *Journal of Biomedical Materials Research Part A*, *Annals of Biomedical Engineering*, *Langmuir, Journal of Biomedical Materials Research Part B*, *Journal of the Acoustical Society of America*, *Biomacromolecules, Journal of Biomechanics*

Proposal Reviewer

Reviewed proposals for the America Heart Association (AHA), the National Science Foundation (NSF/RAPD), the National Science Foundation (NSF/BMAT), the Petroleum Research Fund (PRF), and the National Institutes of Health (NIH/NIDCD).