All current and past grad/postdoc students (Alumni)

1. Susan L. Ishaug-Riley, Ph.D.: “Bone Formation by Three Dimensional Osteoblast Culture in Biodegradable Poly (α-hydroxy Ester) Scaffolds.” Chemical Engineering, Rice University, Houston, TX, June 1996, (Thesis Committee Member)

2. Robert Thomsen, Ph.D.: “Biodegradable Polymer Scaffold Fabrication and the Creation of Tissue Engineered Bone.” Chemical Engineering, Rice University, Houston, TX, April, 1997, (Thesis Committee Member)

3. Susan J. Peter, Ph.D.: “Injectable, In Situ Polymerizable, Biodegradable Scaffolds based on Poly(propylene fumarate) for Guided Bone Regeneration.” Chemical Engineering, Rice University, Houston, TX, May, 1998, (Thesis Committee Member)

4. Laura J. Suggs, Ph.D.: “Development of Poly(Propylene Fumarate-co-Ethylene Glycol): An Injectable, Biodegradable Implant for Cardiovascular Applications.” Chemical Engineering, Rice University, May 1998, (Thesis Committee Member)

5. Amy K. Burkoth, Ph.D.: “Synthesis and Characterization if In Situ Forming Polyanhydride Networks for Orthopaedic Applications.” Chemical Engineering, University of Colorado, Boulder, CO, August 2000, (Thesis Committee Member)

6. Richard G. Payne, Ph.D.: “Development of an Injectable, in situ Crosslinkable, Degradable Polymeric Carrier for Osteogenic Cell Populations.” Chemical Engineering, Rice University, Houston, TX, April 2001, (Thesis Committee Member)

7. Jason A. Burdick, Ph.D.: “Synthesis and Characterization of Osteoinductive Photocurable Scaffolds: A Tissue Engineering Approach to Enhance Bone Regeneration.” Chemical Engineering, University of Colorado, Boulder, CO, June, 2002, (Thesis Committee Member)

8. Esfandiar Behravesh, Ph.D: “Synthesis of an Injectable Biodegradable Biomimetic Macroporous Hydrogel Scaffold for Bone Tissue Engineering.” Department of Bioengineering, Rice University, August 2002, (Thesis Committee Member)

9. Jeremy S. Blum, Ph.D.: “Development of Genetically Modified Cells for Bone Tissue Regeneration.” Department of Bioengineering, Rice University, October 2003, (Thesis Committee Member)

10. Elizabeth L. Hedberg, Ph.D.: “Controlled Release of Osteogenic Factors from Injectable Biodegradable Composite Materials for Bone Tissue Engineering.” Department of Bioengineering, Rice University, October 2003, (Thesis Committee Member)

11. Bruno Fuchs, M.D., Ph.D.: “Identification of Candidate Genes Regulating Metastasis in Osteogenic Sarcoma.” Department of Biochemistry and Molecular Biology, Mayo Clinic College of Medicine Graduate School, March 2004, (Thesis Committee Member)

12. Michael J. Moore, Ph.D.: “Bone Tissue Engineering.” Departments of Orthopedic Surgery and Biomedical Engineering, Mayo Clinic College of Medicine Graduate School, January 2005, (main Thesis Advisor)

13. Srinivasan Rajagopalan, Ph.D.: “Minimal Surface Technology for Tissue Engineering Scaffolds.” Departments of Orthopedic Surgery and Biomedical Engineering, Mayo Clinic College of Medicine Graduate School, June 2005, (thesis co-principal advisor with Richard A. Robb, Ph.D.)

14. Rapin Phimlsarnti, M.D.: “Sacropelvic Reconstruction Biomechanics.” Department of Orthopedic Surgery, Mayo Clinic College of Medicine Graduate School, Masters Degree Clinical Scientist Training Program, March 2006, (main Thesis Advisor)

15. Julie Adams, M.D.: “Four Corner Wrist Arthrodesis.” Mayo Clinic College of Medicine Graduate School, Master of Science in Orthopedic Surgery, 2006, (Thesis Committee Member).

16. Orlando Lopez, Ph.D.: “Development of High-Frequency Dynamic Magnetic Resonance Elastography for Characterization of the Dynamic Shear Properties of Hyaline Cartilage.” Department of Physiology and Biomedical Engineering, Mayo Clinic College of Medicine Graduate School, January 2007, (Thesis Committee Member)

17. P. Andrew Utter, M.D.: “Prediction of Vertebral Fractures Following Vertebroplasty using Quantiative Computerized Tomography.” Clinical Science Master’s Program, 2006 - (main Thesis Advisor)

18. Meredith L. Anderson, M.D.: Clinical Science Master’s Program, 2006 - 2007

19. Jan Szatowski, M.D., Master of Science Program in Orthopedic Surgery, 2006 - 2007, (Thesis Committee Member)