

JENNIFER PATTERSON

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EDUCATION

Doctoral Program, Department of Bioengineering, University of Washington, 2001 to present

- Research Advisor: Dr. Patrick Stayton
- Thesis Project: Regenerative Matrices for Oriented Bone Growth in Craniofacial and Dental Repair
- Coursework: Physiology, Advanced Instrumentation, Introduction to Bioengineering, Biostatistics, Biochemical Engineering, Advanced Composites, Optical and Electronic Properties of Organic Polymers, Introduction to Biomaterials, Controlled Release, Surface Analysis, Tissue Engineering

BSE, Department of Chemical Engineering, Princeton University, 1998

- Undergraduate Research Advisor: Dr. Michael Hecht
- Undergraduate Thesis Project: Characterization of *De Novo* β -Sheet Proteins by Electron Microscopy
- Certificate (minor) in the Program in Theatre and Dance

ACADEMIC HONORS

National Science Foundation Fellowship – 2003 to present

Henry L. Gray Memorial Fellowship (UW) – 2001-2002

TEACHING AND MENTORING EXPERIENCE

Teaching Assistant, University of Washington, Seattle, WA – Winter 2004

BIOEN 305 – Introduction to Bioengineering Analysis of Physiology II

- Responsibilities included maintaining class website, grading homework assignments and lab reports, running lab sections, holding office hours, and giving two lectures during the quarter

UWEB REU Mentor, University of Washington, Seattle, WA – Summer 2003

UWEB USIRP Mentor, University of Washington, Seattle, WA – 2004

EMPLOYMENT

Technical Project Coordinator, Therics, Inc., Princeton, NJ – 2000-2001

Research Associate, Therics, Inc., Princeton, NJ – 1998-2000

- Biomaterials/Bone Repair Products research group

Research Assistant, MIT, Cambridge, MA – Summers 1996, 1997

- Undergraduate summer research projects with Dr. Jonathan King through NSF REU program

PROFESSIONAL ACTIVITIES

Bioengineering Students Association (UW) – 2001 to present; secretary (2002-2003)

UWEB Student Leadership Council (UW) – social chair (2002 to present)

Society of Sigma Xi – 1998 to present

Society of Women Engineers – 1994 to present

American Institute of Chemical Engineers – 1995 to present

Biomedical Engineering Society – 2003 to present