

Ethan G. Sherman

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OBJECTIVE: Seeking a position as a biomedical engineer at a medical technology company where I can utilize my research and educational skills.

EDUCATION

- | | | |
|-------------|---|-----------------|
| August 2009 | UNIVERSITY OF FLORIDA
<i>Ph.D. in Biomedical Engineering</i> | Gainesville, FL |
| | <ul style="list-style-type: none">• Dissertation Title : “Development of a Biocompatible and Dissolvable Tympanostomy Tube”• Advisor: Dr. Roger Tran-Son-Tay | |
| August 2005 | UNIVERSITY OF FLORIDA
<i>Master of Engineering in Mechanical Engineering</i> | Gainesville, FL |
| | <ul style="list-style-type: none">• Thesis Title : “An Ear Flow Chamber for Studying Tympanostomy Tube Occlusion”• Advisor : Dr. Roger Tran-Son-Tay | |
| May 2002 | UNIVERSITY OF FLORIDA
<i>Bachelor of Science in Engineering Science</i>
<i>Minor in Biomechanics</i> | Gainesville, FL |

WORK EXPERIENCE

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|-----------|---|-----------------|
| 2005-2009 | UNIVERSITY OF FLORIDA
<i>Graduate Research Assistant,</i>
<i>Cellular Mechanics and Biorheology Lab</i> | Gainesville, FL |
| | <ul style="list-style-type: none">• Design and fabrication of biocompatible and dissolvable calcium alginate tympanostomy tubes• In-vitro and in-vivo experimental analysis and validation• Patent application pending• Advisor: Dr. Roger Tran-Son-Tay, Dr. Patrick Antonelli | |
| 2004 | RTI BIOLOGICS
<i>Internship, Research and Development</i> | Alachua, FL |
| | <ul style="list-style-type: none">• Mechanical tests of human tissue samples• Analysis of experimental results• Design and fabrication of a mechanical testing apparatus | |

- 2002-2005 UNIVERSITY OF FLORIDA Gainesville, FL
*Graduate Research Assistant,
Cellular Mechanics and Biorheology Lab*
- Design and fabrication of an ear flow chamber for studying tympanostomy tube occlusion
 - Experience patenting original design concept
 - Advisor: Dr. Roger Tran-Son-Tay, Dr. Patrick Antonelli
- 2001-2002 UNIVERSITY OF FLORIDA Gainesville, FL
*Undergraduate Research Assistant,
Cellular Mechanics and Biorheology Lab*
- Characterization of synovial fluid by micro-rheometer to measure viscosity alteration after exercise treatment
 - Advisor : Dr. Roger Tran-Son-Tay

TECHNICAL SKILLS

EXPERIMENTAL TECHNIQUES

Data acquisition (DAQ), custom/commercial mechanical testing devices, precision machining (mill, lathe), IACUC (Institutional Animal Care and Use Committee)

COMPUTER SOFTWARE

Solid Works, LabView, HTML, PHP, MySQL, CSS, Microsoft Office, Open Office, The GIMP, Minitab, Photoshop

PUBLICATIONS / PRESENTATIONS

1. Jonathan Rishall, Ethan G. Sherman, Edith M. Sampson, Patrick J. Antonelli
Impact of Tympanostomy Tube Design on Rate of Occlusion. AAO-HNS Annual Meeting, October 4–7, 2009, San Diego, CA.
2. Ethan Glenn Sherman, Patrick J. Antonelli, Roger Tran-Son-Tay
In-vitro testing of tympanostomy tube occlusion. Otolaryngology Head and Neck Surgery. 2009 In-press.
3. Ethan Glenn Sherman, Patrick J. Antonelli, Roger Tran-Son-Tay
Development of a biocompatible and dissolvable tympanostomy tube.
2008 BMES Annual Fall Meeting, St. Louis, MO.
4. Ethan Glenn Sherman, What SPICE has done for me. Reitz Union, NSF Fellows Day. Fall 2007, University of Florida.
5. Ethan Glenn Sherman, Biomedical Engineering: Bridging the gap. East Hall and CoE Division of Student Affairs Monthly Program Series. Spring 2006, University of Florida.
6. Ethan Glenn Sherman, Patrick J. Antonelli, Roger Tran-Son-Tay, An ear flow chamber for studying tympanostomy tube occlusions. 2005 BMES Annual Fall Meeting, Baltimore, MD.