

# Nikolce Gjorevski

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## **EDUCATION**

- 2007-present *Princeton University, Princeton, New Jersey*  
Ph.D. Chemical Engineering  
Advisor: Professor Celeste M. Nelson
- 2003-2007 *Lafayette College, Easton, Pennsylvania*  
B.S. Chemical Engineering, with honors

## **EXPERIENCE**

- 2007-present Graduate research focusing on the role of mechanics in the branching morphogenesis of the mammary gland.
- 2005-2007 Undergraduate research focusing on the mechanics of ultrathin nanocomposite materials. Advisor: Professor James K. Ferri.
- Summer 2006 Research fellow at the Max Planck Institute for Colloids and Interfaces, Potsdam, Germany.
- Spring 2005 Undergraduate research in organic chemistry focusing on the synthesis and characterization of anti-cancer vitamin D analogues.

## **HONORS**

- 2008 Department of Chemical Engineering Schowalter Travel Fund Award
- 2007-2008 Tau Beta Pi Graduate Fellowship
- 2007 Graduated summa cum laude, with honors  
Dr. McMillen-K.K. Malhotra '49 Prize  
Charles Duncan Fraser Prize  
Sigma Xi
- 2006 American Institute of Chemical Engineers Donald F. Othmer Award  
Tau Beta Pi  
Phi Beta Kappa
- 2006 2<sup>nd</sup> Prize (oral presentation), 2006 Regional AIChE Conference:  
Mechanics of Ultrathin Nanocomposite Membranes

2005

William G. McLean Tau Beta Pi Prize  
Eugene P. Chase Phi Beta Kappa Prize

## **PUBLICATIONS**

5. Mori H., **Gjorevski N.**, Inman J.L., Bissell M.J., & Nelson C.M. (2009) Self-organization of engineered epithelial tubules by differential cellular motility. *Proc. Natl. Acad. Sci. USA*, 106: 14890-14895.
4. **Gjorevski N** & Nelson CM (2009) Bidirectional extracellular matrix signaling during tissue morphogenesis. *Cytokine Growth Factor Rev.*, in press.
3. Ferri JK, Carl P, **Gorevski N**, Russell TP, Wang Q, Boker A, & Fery A (2008) *Soft Matter* 4, 2259-2266.
2. Ferri JK, **Gorevski N**, Kotsmar C, Leser ME, & Miller R (2008) *Colloids and Surfaces a-Physicochemical and Engineering Aspects* 319, 13-20.
1. **Gorevski N**, Miller R, & Ferri JK (2008) *Colloids and Surfaces a-Physicochemical and Engineering Aspects* 323, 12-18.

## **PRESENTATIONS**

6. Oral Presentation. "Endogenous patterns of mechanical stress regulate branching morphogenesis," **Gjorevski, N**; Nelson, C.M. 2009 Biomedical Engineering Society Annual Meeting, Pittsburgh, October 2009.
5. Oral Presentation. "Self-organization of engineered epithelial tubules by differential cellular motility," **Gjorevski, N**; Nelson, C.M. 2009 Biomedical Engineering Society Annual Meeting, Pittsburgh, October 2009.
4. Oral Presentation. "Endogenous patterns of mechanical stress regulate branching morphogenesis," **Gjorevski, N**; Nelson, C.M. 2009 EMBO Conference Series on Morphogenesis and Multicellular Dynamics, Heidelberg, October 2009.
3. Oral Presentation. "Mechanical Control of Mammary Branching Morphogenesis," **Gjorevski, N**; Nelson, C.M. 2008 American Institute of Chemical Engineers Conference, Philadelphia, November, 2008.
2. Poster Presentation. "Mechanical Control of Mammary Branching Morphogenesis," **Gjorevski, N**; Nelson, C.M. 2008 Biomedical Engineering Society Conference, St. Louis, October, 2008.
1. Oral Presentation. "Mechanics of Ultrathin Nanocomposite Membranes," **Gorevski, N**; Ferri, J.K. 2006 American Institute of Chemical Engineers Regional Conference, Pennsylvania State University, April, 2006.