

Nikolce Gjorevski

Princeton University
Department of Chemical & Biological Engineering
Phone: (609) 258-8222, E-mail: gjorevski@princeton.edu

EDUCATION

2007-present Ph.D. Chemical & Biological Engineering, Princeton University
2003-2007 B.S. Chemical Engineering (with honors), Lafayette College

EXPERIENCE

2007-present Graduate research assistant, Department of Chemical & Biological Engineering, Princeton University (with Celeste M. Nelson)
2005-2007 Undergraduate research assistant, Department of Chemical Engineering, Lafayette College (with James K. Ferri)
2006 Research fellow, Max Planck Institute for Colloids and Interfaces, Potsdam, Germany
2005 Undergraduate research assistant, Department of Chemistry, Lafayette College (with William H. Miles)

AWARDS AND HONORS

2010 Kristine M. Layn award for outstanding research performance
2010 Best poster award, Signal Transduction by Engineered Extracellular Matrices Gordon Conference
2008 Department of Chemical Engineering Schowalter Travel Fund Award
2007-2008 Tau Beta Pi Graduate Fellowship
2007 Graduated summa cum laude, with honors
2007 Dr. McMillen-K.K. Malhotra '49 Prize
2007 Charles Duncan Fraser Prize
2007 Sigma Xi
2006 American Institute of Chemical Engineers Donald F. Othmer Award
2006 Tau Beta Pi Engineering Honor Society
2006 Phi Beta Kappa
2006 2nd Prize (oral presentation), 2006 Regional AIChE Conference
2005 William G. McLean Tau Beta Pi Prize
2005 Eugene P. Chase Phi Beta Kappa Prize

PUBLICATIONS

10. Lee K., **Gjorevski N.**, Boghaert E., Radisky D.C. & Nelson C.M. (2011) Snail, Slug and E47 promote mammary epithelial branching morphogenesis. *EMBO J.* (in revision).
9. **Gjorevski N.** & Nelson C.M. (2010) Endogenous patterns of mechanical stress are required for branching morphogenesis. *Integr. Biol.*, 2: 424-434.
8. **Gjorevski N.** & Nelson C.M. (2010) The mechanics of development: models and methods for tissue morphogenesis. *Birth Defects Res. C Embryo Today*, 90: 193-202.
7. **Gjorevski N.** & Nelson C.M. (2010) Branch formation during organ development. *Wiley Interdiscip. Rev. Systems Biol. Med.*, 2: 734-741.
6. Gomez E.W., Chen Q.K., **Gjorevski N.**, & Nelson C.M. (2010) Tissue geometry patterns epithelial-mesenchymal transition via intercellular mechanotransduction. *J. Cell. Biochem.*, 110: 44-51.
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 (*co-first author).

4. **Gjorevski N.** & Nelson C.M. (2009) Bidirectional extracellular matrix signaling during tissue morphogenesis. *Cytokine Growth Factor Rev.*, 20: 459-465.
3. Ferri JK, Carl P, **Gjorevski N.**, Russell TP, Wang Q, Boker A, & Fery A (2008) Separating membrane and surface tension contributions in Pickering droplet deformation *Soft Matter* 4, 2259-2266.
2. Ferri JK, **Gjorevski N.**, Kotsmar C, Leser ME, & Miller R (2008) Non-equilibrium exchange kinetics in sequential non-ionic surfactant adsorption: Theory and experiment *Colloid Surface A* 319, 13-20.
1. **Gjorevski N.**, Miller R, & Ferri JK (2008) Desorption kinetics of surfactants at fluid interfaces by novel coaxial capillary pendant drop experiments *Colloid Surface A* 323, 12-18.

PRESENTATIONS

11. **Gjorevski N.** & Nelson C.M. (2011) "Cellular branching programs in engineered and native tissues," Keystone Symposia Conference: Lung Development and Repair, Santa Fe. [podium presentation]
10. **Gjorevski N.** & Nelson C.M. (2010) "Mapping of mechanical stresses over three-dimensional epithelial tissues," American Society for Cell Biology Annual Meeting, Philadelphia. [poster presentation]
9. **Gjorevski N.** & Nelson C.M. (2010) "Mechanical regulation of tissue morphogenesis," Biomedical Engineering Society Annual Meeting, Austin. [podium presentation]
8. **Gjorevski N.** & Nelson C.M. (2010) "Endogenous patterns of mechanical stress regulate branching morphogenesis," Gordon Conference on Signal Transduction by Engineered Extracellular Matrices, Maine. [poster presentation]
7. **Gjorevski N.** & Nelson C.M. (2009) "Endogenous patterns of mechanical stress regulate branching morphogenesis," American Society for Cell Biology Annual Meeting, San Diego. [poster presentation]
6. **Gjorevski N.** & Nelson C.M. (2009) "Endogenous patterns of mechanical stress regulate branching morphogenesis," Biomedical Engineering Society Annual Meeting, Pittsburgh. [podium presentation]
5. **Gjorevski N.** & Nelson C.M. (2009) "Self-organization of engineered epithelial tubules by differential cellular motility," Biomedical Engineering Society Annual Meeting, Pittsburgh. [podium presentation]
4. **Gjorevski N.** & Nelson C.M. (2009) "Endogenous patterns of mechanical stress regulate branching morphogenesis," EMBO Conference Series on Morphogenesis and Multicellular Dynamics, Heidelberg. [podium presentation]
3. **Gjorevski N.** & Nelson C.M. (2008) "Mechanical control of mammary branching morphogenesis," American Institute of Chemical Engineers Annual Meeting, Philadelphia. [podium presentation]
2. **Gjorevski N.** & Nelson C.M. (2008) "Mechanical control of mammary branching morphogenesis," Biomedical Engineering Society Annual Meeting, St. Louis. [poster presentation]
1. **Gjorevski N.** & Ferri J.K. (2006) "Mechanics of ultrathin nanocomposite membranes," American Institute of Chemical Engineers Regional Meeting, Pennsylvania State University. [podium presentation]