

Eline Boghaert
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EDUCATION

- 2008-present *Princeton University, Princeton, New Jersey*
Ph.D. Candidate Chemical Engineering
Advisor: Professor Celeste M. Nelson
- 2004-2008 *The Cooper Union for the Advancement of Science and Art, New York, New York*
B.E. Chemical Engineering, summa cum laude

EXPERIENCE

- 2009-present *Princeton University, Princeton, New Jersey*
Graduate research focusing on tumor dynamics in the mammary gland.
- Summer 2008 *Princeton University, Princeton, New Jersey*
Research studying the effect of TGF β 1 concentration versus concentration gradient profiles on branching morphogenesis.
- 2005-2008 *The Cooper Union, Physics Department, New York, New York*
Designed experiments for the Introductory Physics Lab course. Worked as a lab technician and teaching assistant for Introductory Physics Lab, Physics I: Mechanics, and Physics II: Electromagnetic Phenomena.
- Summer 2007 *Lafayette College, Mathematics Department, Easton, Pennsylvania*
NSF sponsored Research Experience for Undergraduates participant. Researched the use of probability models in genetics.
- Summer 2006 *Consolidated Edison Company of New York, New York, New York*
Engineering Aide in the Steam Distribution Department.
- Summer 2005 *University of Arizona, Tucson, Arizona*
NSF sponsored Research Experience for Undergraduates participant. Researched the effect of UV radiation on the growth and decay of bacteria found in ultra pure water systems.

HONORS

Schowalter Travel Award (2009); NSF GRFP Honorable Mention (2009); William C. and Esther Hoffman Beller Prize for excellence in Chemical Engineering (2008); Tau Beta Pi Engineering Honor Society (2007); National Society of Collegiate Scholars (2005).

PRESENTATIONS

1. [oral presentation] “A probability model in population genetics.” Eline Boghaert and Sandhya Ramakrishnan. 2008 American Mathematical Society/Mathematical Association of America Joint Meeting, San Diego Convention Center, January 9th, 2008.
2. [poster presentation] *Uncoupling morphogen concentration from gradient in tissue development*. Eline Boghaert, Amira Pavlovich, Celeste Nelson. Cell Motility on Engineered Substrates. BMES Annual Fall Scientific Meeting. October 8th, 2009.