

Tressa M. Allington

Contact:

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OBJECTIVE

Seeking a full-time position in product or process development in the biosciences/biomedical fields to start approximately Dec. 2010.

EDUCATION

University of Colorado Denver Anschutz Medical Campus (AMC), Aurora, Colorado (2006-present)
Doctor of Philosophy in Pharmacology; in progress; GPA 3.697 of 4.0
Estimated graduation December 2010

Iowa State University of Science and Technology, Ames, Iowa (2000-2004)
Bachelor of Science in Chemical Engineering; graduated December 2004; GPA 3.88 of 4.0

PROFESSIONAL EXPERIENCE

Univ of Colorado Denver AMC, Department of Pharmacology, Schiemann Laboratory; Graduate Student; Aurora, Colorado July 2006-present

- Advisor: Dr. William P. Schiemann, Associate Professor, Department of Pharmacology
- Research in transforming growth factor-beta cell signaling in breast cancer development and progression, designing and executing experiments, investigating new research leads.
- Cell biological, immunological, and biochemical assays, tissue cell culture techniques, protein expression and purification, cloning and mutagenesis, generation and propagation of stable cell lines.
- Breast cancer tumor studies in mice, live animal whole-body imaging.
- Mentoring and training rotation students in laboratory techniques.

3M Tape Manufacturing; Process Engineer; Hutchinson, Minnesota Jan 2005-Jan 2006

- Process monitoring and optimization of electrical tape coater machine.
- Six Sigma Green Belt trained.
- New product phase-in and validation.
- Emergency technical support for process and/or quality difficulties.
- Recipient of 3M "Pollution Prevention Pays" Mover Award 2005.

Amgen Colorado; Intern/Co-op Engineer; Longmont/Boulder, Colorado June-Aug 2004, Jan-Apr 2003

- Validation engineering (automation, hardware, unit operations).
- Experience in a cGMP manufacturing environment.
- Assisted full-time engineers with equipment installation and start-up, manufacturing and process improvement projects.
- Experimental data handling, statistical analysis, and technical reports.

3M Corporate Process Technology Center; 3M Engineering Scholar; Maplewood, Minnesota May 2003-July 2003

- Experimental product development and prototype optimization in polymers science.
- Polymer blend prototype manufacturing and testing, data analysis, technical reports.

HONORS, AWARDS, ACTIVITIES

- Department of Pharmacology Norman Weiner Award for Research Excellence, University of Colorado Denver AMC, Aurora, CO (2009)
- Department of Defense Breast Cancer Research Program Pre-doctoral Training Grant (2008-2011)
- Department of Pharmacology Norman Weiner Award for Academic Excellence, University of Colorado Denver AMC, Aurora, CO (2007)
- Student Research Forum Prize for Outstanding Research, University of Colorado Denver AMC, Aurora, CO (2008)
- Career Development Seminar Series – Industry Career Seminar, Student Organizer, University of Colorado Denver AMC, Aurora, CO (2007)
- Department of Pharmacology NIH Pre-doctoral Training Grant, University of Colorado Denver AMC, Aurora, CO (2006-2008)
- 3M Pollution Prevention Pays Mover Award, 3M Tape Manufacturing, Hutchinson, MN (2005)
- Student Commencement Speaker, Department of Chemical Engineering, Iowa State University, Ames, IA (2004)
- Student Chair of the Department of Chemical Engineering Faculty Search Committee, Iowa State University, Ames, IA (2004)
- College of Engineering Langford Scholar, Iowa State University, Ames IA (2004)
- 3M Summer Scholar, 3M, Maplewood, MN (2003)
- College of Engineering Beisner Scholar Award, Iowa State University, Ames, IA (2002)
- Lois and Manley Hoppe Engineering Scholarship, Iowa State University, Ames, IA (2001)
- Paul E. Morgan Engineering Scholarship, Iowa State University, Ames, IA (2000)
- Robert C. Byrd Honors Scholar, Iowa State University, Ames, IA (2000-2004)
- Larry Takes Mathematics Memorial Scholarship, Cascade, IA (2000)
- Represented the State of Iowa at the National Youth Science Camp, Bartow, WV (2000)
- State of Iowa Scholar (2000)

PUBLICATIONS

T.M. Allington, A.J. Galliher-Beckley, and W.P. Schiemann. (2009) “Activated Abl kinase inhibits oncogenic transforming growth factor-beta signaling and tumorigenesis in mammary tumors.” *FASEBJ*.

T.M. Allington, W.P. Schiemann. (2010, in press) “The Cain and Abl of TGF-beta signaling and epithelial-mesenchymal transition.” *Cells, Tissues, Organs*.

M.K. Wendt, * **T.M. Allington**,* and W.P. Schiemann. (2009) “Mechanisms of the epithelial-mesenchymal transition by TGF- β .” *Future Oncology*.

M.K. Wendt, * **T.M. Allington**,* and W.P. Schiemann. (2008) “TGF- β signaling in breast cancer related epithelial-mesenchymal transition” in *Human epithelial neoplastic cell plasticity: Implications for tumor progression and metastasis*. Editor: Paul J. Higgins.

*Equal Contributors

REFERENCES AVAILABLE UPON REQUEST