



MELISSA WASILEWSKI

MAJOR: Biochemistry, Cell and Molecular Biology; Honors Program

AFTER GRADUATION: M.D./Ph.D., Temple University School of Medicine

HOMETOWN: Clarks Summit, PA

HIGH SCHOOL: Abington Heights



ACADEMIC AWARDS

- Barry M. Goldwater Scholarship 2009, 2010
- Frank O'Hara Award for Highest GPA in College of Arts and Sciences
- Ellen Miller Casey Award for research in honors program
- CRC Freshman Chemistry Award
- Who's Who Among Students in American Universities and Colleges
- Dean's List
- Excellence in Biochemistry, Cell and Molecular Biology
- Excellence in Biomathematics

HONOR SOCIETIES:

- Alpha Epsilon Delta, National Honor Society for Health Professions
- Pi Mu Epsilon, National Honor Society for Mathematics
- Treasurer, Alpha Sigma Nu, National Jesuit Honor Society
- President, Phi Lambda Upsilon, National Chemistry Honor Society
- Beta Beta Beta, National Honor Society for Biology
- Alpha Lambda Delta, National Honor Society for Freshman

RESEARCH/PUBLICATIONS:

- Faculty Student Research Program at The University of Scranton: *Development of a Quantitative Real-Time PCR Assay for Burkholderia gladioli* (2008 – 2009)
- Faculty Student Teaching Mentorship at The University of Scranton: *Undergraduate Virology Exercises Demonstrate Conventional and Real-Time PCR using Commercially Available HIV Primers and Non-Infectious Target* (Fall 2008).
- Research at The Commonwealth Medical College: *Investigation of Antiproliferative Factor Regulation of Connective Tissue Growth Factor Expression in Bladder Carcinoma Cells* (2009 – present).
- Princeton University Molecular and Quantitative/Computational Biology Summer Undergraduate Research Program Fellowship: *Discovery of Genetic Mutations Involved in Ampicillin, Ciprofloxacin, and Tobramycin Resistance in Escherichia coli* (Summer 2010).
- Virginia Tech University Virginia Bioinformatics Institute Modeling and Simulations in Systems Biology Summer Research Fellowship: *Network Models for Influenza Spread and Interventions in Schools* (Summer 2009)
- Cornell University Boyce Thompson Institute Plant Genome Research Project Summer Research Fellowship: *Investigation of Overrepresented Regulatory Elements for Cell Type Specific Gene Expression in Arabidopsis Roots* (Summer 2008).
- Glick D.L., Gushue, C., Namdari, H., Wasilewski, M.A., Sulzinski, M.A. Development of a Quantitative Real-Time PCR Assay for Burkholderia gladioli. Poster presentation at 2009 annual meeting of American Society for Microbiology.

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- Sulzinski, M.A., Wasilewski, M.A., Farrell, J.C., Glick, D.L. (2009) Undergraduate Virology Exercises Demonstrate Conventional and Real-Time PCR using Commercially Available HIV Primers and Non-Infectious Target. *Biochemistry and Molecular Biology Education*
- Wasilewski, M.A. Discovery of Genetic Mutations Involved in Ampicillin, Ciprofloxacin, and Tobramycin Resistance in *Escherichia coli*. Poster presentation at the 2010 Princeton Summer Undergraduate Research Program Symposium.
- Wasilewski, M.A. Investigation of Antiproliferative Factor Regulation of Connective Tissue Growth Factor Expression in Bladder Carcinoma Cells. Presentation at 2010 University of Scranton Annual Celebration of Student Scholars.
- Drew, N., Link, S., Wasilewski, M.A. Network Models for Influenza Spread and Interventions in Schools. Presentation at 2009 Modeling and Simulations in Systems Biology Undergraduate Summer Research Symposium.
- Wasilewski, M.A. Network Models for Influenza Spread and Interventions in Schools. Presentation at the Conference for Undergraduate Research in Mathematics. November 2009.
- Wasilewski, M.A. Investigation of Overrepresented Regulatory Elements for Cell Type Specific Gene Expression in Arabidopsis Roots. Presentation at 2008 Plant Genome Research Project Student Symposium at Cornell University.

ACTIVITIES:

- Health Professions Organization Research Chairperson (2010-2011)
- Health Professions Organization Mentor (2009-2010)
- Chemistry Club Treasurer (2010-2011)
- Student Honors Council
- Teaching Assistant for Virology
- Peer Tutor
- University of Scranton Symphony Band
- Biology Club
- Math SPIRAL – Students and Professors Interacting and Learning
- Math Club
- Center for Teaching and Learning Excellence Chemistry, Biology, and Math Tutor
- Commuter On Campus Life Association
- University of Scranton Relay for Life Committee