

Ryan M. Williams

270 Biomedical Research Facility
1 Medical Center Dr.
Morgantown, WV 26506

Education

- Graduate
 - West Virginia University August 2008-Present
 - Ph.D. Student, Pharmaceutical and Pharmacological Sciences
 - ❖ August 2010-Present
 - Ph.D. Student, Department of Biology
 - ❖ August 2008-July 2010
- Undergraduate
 - University of Virginia August 2004-May 2008
 - B.A., Biology
- High School
 - Graham High School, Bluefield, Va. August 2000-May 2004
 - Advanced Degree, Summa Cum Laude

Lab Experience

- Graduate Research Assistant
 - Dr. Letha Sooter January 2010-Present
 - *In Vitro* Selection of Molecular Recognition Elements for Prostate Cancer Cells and Atrazine
 - Dr. Rajesh Naz August 2008-December 2009
 - Novel Biomarkers and Immunotherapies for Prostate Cancer
- Undergraduate Research Assistant
 - Dr. Edmund Brodie III September 2006-May 2008
 - Evolutionary Genetics of Caribbean *Anolis* spp.

Teaching Experience

- Graduate Teaching Assistant, West Virginia University Dept. of Biology
 - Biol 115: Intro Biology Lab Fall 2008
 - Biol 321: The Total Science Experience Springs 2009,2010
 - Biol 441: Vertebrate Microanatomy Fall 2009

Publications

Williams RM and Naz RK. (2010) Novel biomarkers and therapeutic targets for prostate cancer. *Frontiers in Bioscience S2*:677-684.

Oral and Poster Presentations

Williams RM and Sooter LJ. "Molecular Recognition Elements for Prostate Cancer Cells and Atrazine." West Virginia Nano Brown Bag Lunch Speakers Series Oral Presentation, November 2010.

Douglas I, Williams RM, and Sooter LJ. Isolation of Antibody scFv Specific to PIN cells. West Virginia University School of Pharmacy Research Day, October 2010.

Thomas J, Williams RM, and Sooter LJ. Toxicity of single-walled carbon nanotubes to algae. West Virginia University School of Pharmacy Research Day, October 2010.

Williams RM and Sooter LJ. *In Vitro* Selection of Prostate Cancer Specific and Herbicide Binding Elements. West Virginia University School of Pharmacy Research Day, October 2010.

Williams RM and Sooter LJ. Prostate Cancer Detection by Molecular Recognition Elements. West Virginia Academy of Sciences Symposium, April 2010.

Williams RM and Sooter LJ. Prostate Cancer Detection by Molecular Recognition Elements and Environmental Toxicity of Single-Walled Carbon Nanotubes. West Virginia Nano Symposium, April 2010.

Williams RM and Sooter LJ. Quantum Dot-Conjugated Molecular Recognition Elements in Detecting Prostate Cancer. West Virginia University American Chemical Society Symposium, March 2010.

Activities

- WVU Cell Biology Training Program 2010-Present
- WVU Biology Graduate Student Association Treasurer 2009-2010
- Cavalier Daily Associate Sports Editor 2007-2008
 - Independent U.Va. Student Newspaper
- University of Virginia Children's Hospital Pediatric Unit 2007-2008
 - Over 60 volunteer hours
- Energy Express (AmeriCorps) Mentor Summers 2005, 2006, 2007
 - Over 300 volunteer hours per summer
- Martha Jefferson Hospital Emergency Department 2006-2007
 - Over 60 volunteer hours
- University of Virginia Madison House Boosters Program 2005-2006
 - Over 30 elementary classroom volunteer hours