

**ANTHONY GIOVENGO**136 W 1<sup>st</sup> St., Morgantown, West Virginia 26501, (304)281-0606, [AGiovengo@hsc.wvu.edu](mailto:AGiovengo@hsc.wvu.edu)**EDUCATION****West Virginia University****August 2002 to Present**

- Graduate
  - PhD in Pharmaceutical and Pharmacological Sciences (Summer 2010 to Present)
  - Began May 2009, WVU Department of Biology
- Undergraduate
  - B.A. in Chemistry Emphasized Biochemistry (Spring 2009)
  - GPA of 3.45 (Cum Laude)

**EXPERIENCE****Graduate Research Assistant**

- **Dr. Letha Sooter** **May, 2009 to Present**  
 Focused on *in vitro* selection utilizing DNA and peptide random pools and the assembly of required equipment, including a capillary electrophoresis instrument

**Undergraduate Research Assistant**

- **Dr. Justin Legleiter** **January, 2009 to May, 2009**  
 Basic nanoscale physicochemical properties of cells, organelles, and membranes utilizing atomic force microscopy and scanning probe acceleration microscopy
- **Dr. Ken Blemmings** **January, 2008 to December, 2008**  
 Biochemical research focusing on lysine metabolism in human analogs
- **Dr. Keith Webber** **August, 2006 to April 2007**  
 Authority relationship theory creation, testing and statistical analysis of research

**Undergraduate Teaching Assistant**

- **Dr. Ken Blemmings** **January, 2008 to May 2009**  
 Agricultural Biochemistry 410/411 with duties including: grading and management of problem based learning in dry lab
- **Dr. Bjorn Soderberg** **August, 2008 to December, 2008**  
 Organic Chemistry 235 Lab TA with duties including; grading, safety management and instruction of laboratory techniques
- **Dr. Betsy Ratcliff** **January, 2009 to May, 2009**  
 General Chemistry 116 Lab TA with duties including; test administration, grading, safety management and instruction of laboratory techniques

**Academic Resource Center, P.O Box 6430, WVU****February, 2004 to Present**

- **Lead Tutor**
  - Assisted students in undergraduate level courses in Chemistry, Statistics, Physics, and Mathematics as well as graduate level Statistics
  - Performed on-site supervisor duties encompassing scheduling, training, conduct code creation

**NIOSH, 1095 Willowdale Rd., Morgantown, WV 26505****April, 2005 to August, 2005**

- **Health Communications Clerk - Summer Student Work**  
 Required duties included: Data Organization and Clerical Duties

**AWARDS**

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WVNANO STEM Fellowship (January 2011 – Present)  
WVNANO STEM Fellowship (January 2010 – December 2010)  
WVNANO graduate bridge award recipients (May, 2009 – August, 2009)  
Promise scholarship (August, 2002 – May, 2006)

**ABSTRACTS AND SYMPOSIA**

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WVU School of Pharmacy Research Day. “In Vitro Selection Against Nitroamine Explosives Through Capillary Electrophoresis”. Anthony Giovengo, Letha J. Sooter. October 1<sup>st</sup>, 2010. Poster session  
WVNANO Research Symposium. “Evolution of Molecular Binding Elements Against Nitroamine Explosives Through CE-SELEX”. Anthony Giovengo, Briana D. Vecchio, Letha J. Sooter. April 20<sup>th</sup>, 2010. Poster session  
College Of William and Mary Graduate Research Symposium. “Development of molecular recognition elements for nitroamine explosives through capillary electrophoresis” Anthony Giovengo, Letha J. Sooter. College of William and Mary. March 27<sup>th</sup>, 2010. Oral presentation  
WVU American Chemical Society Poster Presentation. “Evolution of Molecular Binding Elements Against Nitroamine Explosives Through CE-SELEX” Anthony Giovengo, Briana D. Vecchio, Letha J. Sooter. March 20<sup>th</sup>, 2010. Poster session  
WVNANO Fall retreat. “The Sooter Lab: Three Months Of Progress”. Anthony Giovengo, Letha J. Sooter. MeadWestvaco Natural Resources Center (MWNRC). October 3rd, 2009. One of three student oral presentations  
Summer Undergraduate Research Symposium 2009, “Saving the Environment Two Steps at a Time: MRE for DEET and Biodiesel Analysis”, Saba Ashfaq, Anthony Giovengo, Letha J. Sooter. Mountainlair Ballroom. July 31<sup>st</sup>, 2009. Poster session

**CONFERENCES**

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2009 Nanoelectric Devices for Defense & Security (NANO-DDS 2009). Ft. Lauderdale, Fl. Attended September 28<sup>th</sup> through October 2nd

**SKILLS**

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Undergraduate coursework including general, physical and organic chemistry introduced a set of basic laboratory skills. Advanced courses in organic synthesis and structural determination provided not only theoretical information on the function of NMR, IR, Mass Spec and GC but also the opportunity for extensive use of these instruments. Undergraduate research with offered in-depth usage of RNA extraction protocols, HPLC, RT-PCR and general biochemistry lab techniques. Atomic force microscopy and the use of MATLAB programming required for the analysis of acquired data was also incorporated. Other research opportunities introduced the use of SPSS for statistical analysis of student created surveys. Graduate research has provided mastery of advanced biochemistry lab techniques including the opportunity to construct a capillary electrophoresis instrument. Experience with commercial CE instruments has also been incorporated. A lifelong interest in technology has provided advanced computing power user skills including content creation, programming and troubleshooting.