

Ian P. Douglas

Campus Address:
Boreman Hall South 0233A
North High St.
Morgantown, WV 26506
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Home Address:
827 Fairwind Dr.
Bel Air, MD 21014

Education

University

West Virginia University
Majors: Medical Laboratory
Sciences
Chemistry (BA)
Nanotechnology Emphasis
GPA: 3.11

Expected Graduation Date: May 2012

High School

Bel Air Senior High School
GPA: 3.75

Graduation Date: May 2007

Work Experience

Biochemistry Research (Fall 2009-Spring 2010)
Morgantown, WV

Research Goals

- Use *in vitro* selection to create a Molecular Recognition Element (MRE) for Superparamagnetic Iron Oxide Nanoparticles (SPIONs)
- Determine effects of Single Walled Carbon Nanotubes (SWCNT) on Polymerase Chain Reactions (PCR)
- Use of nano materials for anti-tumor drug development.

Research Symposiums and Presentations (Spring 2010)

- Undergraduate Research Day at the Capital Poster Presentation; Attended the statewide symposium in Charleston, West Virginia. The *in vitro* World of Functional Molecules. Ian P. Douglas, Letha J. Sooter.
- WVU American Chemical Society Poster Presentation; Participated in WVU's annual Chemistry Symposium hosted by the ACS-Student Affiliates in Morgantown, WV. *In vitro* Selection of SPIONs. Ian P. Douglas, Letha J. Sooter.
- WVU Academy of Science Poster Presentation; Participated in WVU's 85th Annual WVAS Symposium hosted by the WVU College of Engineering. *In vitro* Selection of Superparamagnetic Iron Oxide Particles. Ian P. Douglas, Bridget D. Hines, Letha J. Sooter.
- WVNano Symposium Poster Presentation; Participated in WVNano Research Symposium hosted by WVNano. Molecular Recognition Element Selection of SPIONs. Ian P. Douglas, Bridget D. Hines, Letha J. Sooter.
- WVNano Brown Bag Lunch Oral Presentation; Participated in WVNano Brown Bag Lunch. Use of *in vitro* Selection for SPIONs. Ian P. Douglas, Bridget D. Hines, Letha J. Sooter.

Tools / Skills

- DNA purification – Electrophoresis
- PCR
- SWCNT Safety / Preparation
- Spectroscopy Methodology
- Lab Safety

Ruby Memorial Hospital Volunteer (Spring 2008)

Volunteered for +60 hours.

Worked in ER accommodating patients and their families. Also worked Child Care Center, on call with nurses if needed, ran center alone most of time, entertained kids, cleaned.

MTD Service Inc. (Summer's 2004, Current)

White Marsh, MD

Worked at a construction company over the summer. Learned how to operate the machinery (Forklift, Backhoe, Dump truck, Vehicle Lifts, etc.) Became BP safety certified to work on their sites. Know what it means to have a hard day's work. (2004)

Office Secretary Experience (Learned how to fax, file paper work, write phoned in job calls, answer/screen phone calls, etc.) (2008)

Bob Evens (2005-2006)

Bel Air, MD

Taught me patience, and work ethic. Employee relationships, good managing skills, and how to get along well with others. The need of a smooth system to work efficiently.

Activities/ Honors

“He Who Leads by Quiet Dedication” Award (from High School Football Coaches)

12 years of perfect attendance during Elementary, Middle, and High School

Photography/Art (Black/White, Color)

9 yrs of Violin/Viola

High School Distinguished Honor role

Minds in Motion Award/ Scholar Athlete Award (from High School)

Harford County Sportsmanship Award (J/V and Varsity Football and Track)

Habitat for Humanity Volunteer (Summer 2007, 2008)

Food Kitchen Volunteer (Summer/Winter 2007, 2008)

Bel Air MD Volunteer Fire Fighter (Spring 2010- Current)

References

References upon request.