

Bingjie (Bing) XUE

U. S. Citizen

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OBJECTIVE:

Seeking for data analyst or laboratory position in bioinformatics or related research areas.

EDUCATION:

- M. S. in Bioinformatics, Virginia Commonwealth University (VCU), GPA 3.520, May 2014
- B. S. in Bioinformatics: Biology/Genomics Concentration and Chemistry Minor, VCU, GPA 3.844, May 2012

RESEARCH AND PROFESSIONAL EXPERIENCE:

Dr. Rita Shiang's Lab VCU, May 2014 – July 2014

- Identified mouse genotyping using PCR
- Visualized exome sequence using Integrative Genome Viewer

Graduate Thesis Project in Dr. Sarah Elsea's Lab at VCU, Spring 2012 – Spring 2014

- Developed customized programs to identified retinoic acid binding site in the human *RAII* gene
- Assessed the effect of retinoic acid on the expression of human *RAII*
- Sequenced *MBD5* from patient samples to screen for mutations.

Undergraduate internship, Mya Breitbart's Lab at University of South Florida College of Marine Science, Summer 2011- Spring 2012

- Studied the distribution, diversity, and evolution of various classes of Ribonucleotide reductase (RNR) in phages
- Contributed methods, programs and data to a paper (see Publications)

PUBLICATIONS:

Bhakti Dwivedi, **Bingjie Xue**, Daniel Lundin, Robert A Edwards, and Mya Breitbart. A Bioinformatic Analysis Of Ribonucleotide Reductase Genes In Phage Genomes And Metagenomes, *BMC Evolutionary Biology* 2013, **13**:33. doi:10.1186/1471-2148-13-33. My role was bioinformatics data analysis.

COMPUTER SKILLS:

- Proficiency with Bioinformatics tools and databases including: MySQL, Access Database, NCBI BLAST, HMMER, BioBIKE, 4 Peak, Integrative Genome Viewer and programming in R, Perl, Python, and Java.

SUMMARY OF LABORATORY QUALIFICATIONS:

- Conducted DNA/RNA extractions
- Experienced with both PCR and qPCR
- Familiar with both agarose and polyacrylamide gel electrophoresis
- Performed cell culture
- Accurate pipetting techniques
- Scientific data analysis
- Working knowledge of biostatistics

AWARDS AND HONORS:

- Graduate Bioinformatics Scholarship, Spr. 2013
- Member of Honor Society of Phi Kappa Phi., 2010
- Spring Semester Scholarship, Spring 2009
- Member of Honors College, VCU, Fall 2009

VOLUNTEER EXPERIENCE:

- VCU Medical Center, Palliative Care Unit, 2010/2011; and Department of Labor and Delivery, 2009/2010
- James Madison University Study in China Programs, Teaching Chinese for Americans, Summer 2009
- Free Medical Clinic, Harrisonburg, VA, two weeks during winter break, December 2008
- The Massanutten Regional Library, Harrisonburg, VA, three hours per week for two years in 2007 and 2008

LANGUAGE SKILLS and TRAVELS:

- Fluent in Chinese and English, two years of Spanish.
- Travelled extensively to Japan, Thailand, Taiwan and many places in China.

REFERENCES: Available upon request