

KAYLA I. GALINDO

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SUMMARY

Detail-oriented graduate with strong technical skills and the ability to learn concepts quickly.

SKILL HIGHLIGHTS

- Skilled in DNA isolation
- Microbiological Techniques
- Proficient in data analysis
- Experimental design
- Trained in Genomic software and Annotation
- Analyze large molecular datasets
- Collaborative team member
- Computer proficient
- Fluent in Spanish
- Computer proficient
- Experienced in data presentation

EDUCATION

MASTER OF SCIENCE: BIOINFORMATICS 2014

The University of Texas at El Paso, El Paso, Texas

- Internship, MARC Pittsburgh Supercomputing Center, Transcriptome Analysis
- Member, Secretary, UTEP BioinTx Club

BACHELOR OF SCIENCE: BIOLOGY 2012

The University of Texas at El Paso

- Minor in Chemistry
- Member of Alpha Lambda Delta
- Member of Research Initiative for Scientific Enhancement (RISE)
- Member of National Society of Collegiate Scholars
- Member of NSF-funded Undergraduate Participation in Bioinformatics Training (UPBiT) Program

EXPERIENCE

THE UNIVERSITY OF TEXAS AT EL PASO

Teaching Assistant 08/2014 to 12/2014

- Taught Introduction to Evolutionary Theory Laboratory.
- Developed, administered and corrected tests and quizzes in a timely manner.
- Developed interesting course plans to meet academic, intellectual and social needs of students.

THE UNIVERSITY OF TEXAS AT EL PASO

Research Assistant 01/2012 to 06/2014

- Created data using wet lab molecular techniques.
- Developed undergraduate laboratory curriculums, protocols, and wet lab experiments.
- Incorporated bioinformatics techniques to environmental high-throughput amplicon sequencing data.

THE UNIVERSITY OF TEXAS AT EL PASO

Undergraduate Research Assistant 02/2010 to 12/2012

- Demonstrated individual and team laboratory tests.
- Trained personnel and incoming students on laboratory functions.
- Designed and directed experiments using multiple wet lab molecular techniques.
- Conducted molecular biodiversity studies on freshwater invertebrates.

THE UNIVERSITY OF TEXAS AT EL PASO

Workstudy

08/2009 to 02/2010

- Trained and supervised incoming student employees each semester.
- Reshelfed books to maintain a neat and tidy reading area.
- Answered patron and student questions.
- Coached students, faculty and staff in the use of electronic, print and internet resources.

ACCOMPLISHMENTS

- Member, Research Initiative for Scientific Enhancement (RISE) (2009-2012)
- Alpha Lambda Delta (2009-2010)
- Volunteer, Candlelighters (2009– 2011)
- Volunteer, Child Crisis Center of El Paso (2009– 2011)
- Volunteer, Junior Women's Club of El Paso Annual Spooktacular Event (2010)
- Member, National Society of Collegiate Scholars (2010– 2012)
- Member, Undergraduate Participation in Bioinformatics Training (UPBiT) (2010– 2012)
- Secretary, UTEP BioInTx Club (2013-2014)
- Participant, ASLOMP 2011
- Presented at the American Society of Limnology and Oceanography (ASLO) (2011)
- Participant, Maryland Sea Grant REU (2011)
- Participant ASLOMP (2012)
- Presented at the American Society of Limnology and Oceanography (ASLO) (2012)
- Participant ASLOMP (2013)
- Presented at the American Society of Limnology and Oceanography (ASLO) (2013)
- Participant, Pittsburgh SuperComputing Center Intern (2013)
- Presented UTEP/NMSU Conference (2014)

SKILLS

- Computer Packages: MS Office Package (Word, Excel, PowerPoint).
- Bioinformatics Tools: CLUSTAL, BLAST, NCBI, MEME, CLUSTALW, T-COFFEE, MUSCLE, QIIME, Trinity Trinotate.
- Programming Packages: Java, Python, Perl, MySQL, R, SAS, PHP, Linux environment.
- Operating Systems: Mac OS X, Windows XP, and UNIX.
- Languages: English and Spanish.

PRESENTATIONS

“Genetic Variation in the Rotifer *Brachionus plicatilis*: Natural Versus Impacted Populations” Kayla I. Hinson, Dr. E. J. Walsh, American Society of Limnology and Oceanography (2011)

"Molecular Characterization of Rotifer Genetic Diversity from Polluted and Unpolluted Habitats" Kayla I. Hinson, E. J. Walsh, Society for Advancement of Chicanos and Native Americans in Science (2011)

“Testing a New Technology for Bivalve Larvae Identification” K. I. Hinson, E. W. North, C. M. Thompson, and J. D. Goodwin, American Society of Limnology and Oceanography (2012)

"Water Quality and Its Impact on the Genetic Structure of the Model Invertebrate *Brachionus plicatilis*" K.I.Hinson, E.J. Walsh, American Society of Limnology and Oceanography (2013)

“A Genomics Approach to Arsenic Detoxification Pathways in Rotifera – a Model Aquatic Organism” Kayla I. Hinson, Edgar Jauregui, E.J. Walsh, UTEP/NMSU Conference (2013)

"Molecular evidence of cryptic speciation in the rotifer *Brachionus plicatilis* across the Chihuahuan Desert" Kayla I. Galindo, Elizabeth J. Walsh, UTEP/NMSU Conference (2014)

REFERENCES

Dr. Elizabeth J. Walsh, Professor, Dept. of Biological Sciences, 915-747-5421

Dr. Ming-Ying Leung, Professor, Mathematical Sciences, Director, Bioinformatics, 915-747-6836