**MARK SHERMAN, M.S.**

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**OBJECTIVE**

Desire a position in a molecular biology research laboratory in San Diego, CA.

**EDUCATION**

**M.S., Marine Biology, University of North Carolina- Wilmington May 2010**

**B.S., Marine Biology, University of Maryland- College Park May 2005**

**RELEVENT SKILLS**

* Techniques: PCR, Amplified Fragment Length Polymorphism, microsatellite analysis, real-time qPCR, cDNA synthesis, DNA sequencing, RNAi, DNA/RNA extraction, RNA isolation, mammalian cell culture, restriction/ligation, gel electrophoresis
* Software: DNAsp, Arlequin, Genemapper, Nanodrop 1000, Sequencher, STRUCTURE, Distruct, MEGA, MacClade, Geneland, MxPro, CLUMPP, ImageJ, ArcGIS

**WORK EXPERIENCE**

**Volunteer Research Associate June 2013 – Present**

Ron Burton, Scripps Institute of Oceanography, La Jolla, CA

* Assisted development of an RNAi protocol to identify involvement of targeted proteins ● Maintained accurate records and notes ● Carried out assignments in a thorough, conscientious fashion

**Volunteer Research Associate June 2013 - Present**

Catherine Purcell, National Oceanic and Atmospheric Administration, La Jolla, CA

* Conducted a multiplexed microsatellite parentage analysis of Yellowfin ● Performed DNA population level DNA sequencing analysis utilizing an ABI3730 DNA sequencer ● Closely followed established SOPs

**Lead Biology Instructor**  **August 2010- May 2013**

Catherine Songer, Coastal Carolina Community College, Jacksonville, NC

* Presented molecular techniques to 596 students, including PCR and sequencing ● Oversaw 13 instructors ● Initiated a cloud based management system ● Authored 7 new lab activities ● Demonstrated multi-tasking, problem-solving and troubleshooting skills

**Research Associate**  **August 2007- June 2010, January 2013- May 2013**

Ami E. Wilbur, University of North Carolina, Wilmington, NC

* Performed multiplexed AFLP-based population genetic analysis● Prepared technical reports, summaries, and SOPs ● Communicated scientific data in written and verbal format ● Executed qPCR assay on an ABI 7500 to measure disease prevalence ● Assisted in experimental design, PCR-based data collection and analysis

**Research Associate**  **May 2003- Aug 2007**

Kennedy T. Paynter, University of Maryland, College Park, MD

* Designed and executed biological studies of the Chesapeake Bay oyster with a team of 6 field and lab technicians ● Worked collaboratively & communicatively in a tem environment ● Ensured availability and quantity of media, reagents, supplies, and other lab materials

**Laboratory Intern**  **January 1999- June 1999**

National Institutes of Standards and Technology (NIST), Gaithersburg, MD

* Contributed to research investigating HIV drug interactions on animal cell cultures ● Managed culture of mammalian cells in specialized media of varying drug concentrations and combinations ● Made detailed observations in notebook, analyzed data, and interpreted results