

Sarah Prior

Skills Profile

- Ability to direct complex projects from concept to fully operational status
- Highly motivated, detailed oriented process improvement engineer
- Well developed supervisory, customer service and leadership skills
- Proven ability to work under minimal supervision in unison with other team members, departments and agencies
- Excellent written and verbal communication skills with extensive presentation and publication experience
- Working knowledge of PC setup, installation, peripherals, data entry and analysis, file updating, database design and management
- Solid marine science research background
- Comprehensive experience with Microsoft Windows Operating Systems and Office Suite, Java, XML, Dreamweaver, Abode Acrobat Professional, Adobe InDesign CS2, MSDS Online, AutoCAD

Professional experience

2004 – Current Grice Marine Lab Charleston, SC
Laboratory Manager

- Serve as the health and safety officer for the marine lab interpreting laws and regulations, establishing and communicating safety procedures, conducting safety training and maintaining all safety resources on the Grice website
- Maintain the laboratory facilities and equipment for 2 smart classrooms, 2 teaching labs, computer lab, wet lab, and 10 faculty research labs
- Function as the liaison for contractors, physical plant, telephone services and IT department
- Coordinate and effectively communicate all facility issues to faculty, staff and students
- Working independently under minimum direction, supervise Grice staff including Marine Operations Manager, Lab Assistant, grounds and student workers coordinating team efforts with other staff members to ensure timely completion of projects
- Establish and maintain effective working relationships with counterparts at other Fort Johnson institutions and personnel at the downtown campus
- Assist Marine Laboratory Director with surveys, grants, evaluations, reports, public and college relations and make recommendations as needed
- Serve as an institutional representative on various committees
- Plan and execute renovations, maintain the budget, order supplies and equipment for faculty, staff and graduate students
- Maintain news and resource sections of the Grice website to communicate policy changes and news updates
- Supervise outreach and community education of the Grice CORAL program

Professional experience	2000 – 2004	Marine Infectious Disease Lab	Charleston, SC
	Wildlife Biologist II		
	<ul style="list-style-type: none"> ▪ Coordinated lab research projects for SC Department of Natural Resources ▪ Managed disease sample database and shrimp bioassay stocks ▪ Supervised lab personnel and coordinated research projects with other agencies ▪ Prepared and presented reports and publications of research findings ▪ Organized disease sampling, shipping, testing, training and protocols ▪ Managed procurement of lab supplies and services 		
	1997 – 2000	Waddell Mariculture Bioassay Lab	Hardeeville, SC
	Wildlife Biologist I		
<ul style="list-style-type: none"> ▪ Planned and executed experiments including protocol documentation, result analysis and reporting ▪ Supervised personnel and ordered supplies ▪ Received outstanding performance award for coordinating disease testing for shrimp viruses at Waddell Mariculture Center in May 1999 ▪ Archived and entered records, generated queries and reports and refined software for the disease sample database 			
1997 – 1996	Waddell Mariculture Center	Bluffton, SC	
Natural Resources Technician II			
<ul style="list-style-type: none"> ▪ Conducted larval rearing production and research of <i>L. vannamei</i> ▪ Maintained water filtration systems and algal cultures ▪ Performed disease sampling for disease status analysis 			
1994 – 1996	Sara Lee Knit Products	Greenwood, SC	
Dye Lab Process Improvement Engineer			
<ul style="list-style-type: none"> ▪ Planned, developed, and implemented color formulas for production ▪ Functioned as a dye process improvement technical advisor ▪ Educated dye house associates and QC technicians in dye theory 			
1996 – 1996	Capsugel	Greenwood, SC	
Microbiologist			
<ul style="list-style-type: none"> ▪ Worked as a microbiologist via Manpower Temporary Agency ▪ Performed microbiological tests for raw materials and finished product ▪ Conducted environmental tests of the production facility's air and water ▪ Evaluated and investigated production process for contamination 			
Education	1989 – 2003	Lander University	Greenwood, SC
Honors Biology			
Graduated magna cum laude with a Bachelors of Science			

Relevant

Course Work
& Training

- OSHA Outreach Trainer for General Industry Georgia Institute of Technology
- Lab Safety Training Lab Safety Institute
- CPR, First Aid & AED Red Cross
- Positive Leadership Development PMI Associates, Inc.
- OTI 6000 OSHA Collateral Duty Course Georgia Institute of Technology
- OSHA 1910.106 Flammable & Combustible Liquids SC LLR
- OSHA 1910.1048 Formaldehyde SC LLR
- OSHA 1910.1050 Lab Standard SC LLR
- Safety Survival Skills and Emergency Response CDC – OHS
- STAR – Stop Taking Avoidable Risks NOAA
- Safe Practices - Bloodborne Pathogens NOAA
- Forklift License and Forklift Instructor NOAA
- Defensive Driving & Boat Safety Certification SCDNR
- Introduction Dreamweaver 8.0 Trident Technical College
- Intermediate Dreamweaver 8.0 Trident Technical College
- Electronic Publishing and Design College of Charleston
- Computer Programming and Lab College of Charleston
- AutoCAD& TurboCAD Independent Study
- CERT - Citizens Emergency Response Training Charleston County
 - Disaster Management & Medical Operations
 - Fire Safety
 - Light Search & Rescue Operations
 - Incident Command & Terrorism
 - Disaster Psychology

Conferences

- World Aquaculture Society 1998 to 2001
- International Conference on Biocontainment Facilities 2003

Committees
&
Community
Involvement

- Hollings Marine Laboratory
 - Safety Committee member
 - Seawater Systems and Productions Facilities Committee
 - Environmental Management System member
- College of Charleston
 - IACUC compliance contact at Grice
 - Sustainability Committee
 - Grice liaison for Biosafety Committee
 - Chemical Management Committee Representative
- Charleston Community CERT

Publications

- Robalino J, Ryan B, Carnegie, Nuala O'Leary, Severine A, Ouvry-Patat, Enrique de la Vega, Sarah Prior, Paul S. Gross, Craig L. Browdy, Robert W. Chapman, Kevin L. Schey, Gregory Warr. 2009. Contributions of functional genomics and proteomics to the study of immune responses in the Pacific white leg shrimp *Litopenaeus vannamei*. *Vet. Immunol. Immunopathol.* 128(1-3):110-118.
- Robalino J, Payne C, Parnell P, Shepard E, Grimes AC, Metz A, Prior S, Witteveldt J, Vlaskovic JM, Gross PS, Warr G, Browdy CL. 2006. Inactivation of White Spot Syndrome Virus (WSSV) by normal rabbit serum: implications for the role of the envelope protein VP28 in WSSV infection of shrimp. *Virus Res.* 118(1-2):55-61.
- Robalino J, Bartlett T, Shepard E, Prior S, Jaramillo G, Scura E, Chapman RW, Gross PS, Browdy CL, Warr GW. 2005. Double-Stranded RNA Induces Sequence-Specific Antiviral Silencing in Addition to Nonspecific Immunity in a Marine Shrimp: Convergence of RNA Interference and Innate Immunity in the Invertebrate Antiviral Response? *J. Virol.* 79(21):13561-13571.
- Robalino J, Browdy CL, Prior S, Metz A, Parnell PG, Gross PS, Warr GW. 2004. Induction of Antiviral Immunity by Double-Stranded RNA in a Marine Invertebrate. *J. Virol.* 78(19):10442-10448.
- Chapman, RW, Browdy CL, Savin S, Prior S, Wenner E. 2004. Sampling and evaluation of white spot syndrome virus in commercially important Atlantic penaeid shrimp stocks. *Dis. Aquat. Organ.* 59:79-185.
- Prior S, Browdy CL, Shepard EF, Laramore R, Parnell PG. 2003. Controlled bioassay systems for determination of lethal infective doses of tissue homogenates containing Taura syndrome or white spot syndrome virus. *Dis. Aquat. Organ.* 54(2):89-96.
- Prior S, Segars A, Browdy CL. 2001. A preliminary assessment of live and frozen bait shrimp as indicators and/or vectors for shrimp viruses [abstract]. In: Devoe R, editor. *World Aquaculture 2001: Book of Abstracts*. 2001 Jan 21-25; Orlando, Florida. Baton Rouge (LA): World Aquaculture Society p 541.
- Moss SM, Argue BJ, Castille FL, Arce SM, Lotz JM, Breland VM, Lightner DV, White BL, Browdy CL, Prior SY, Lawrence AL, Bowers H, Bullis RA. 2001. Family survival of pacific white shrimp *Litopenaeus vannamei* to taura syndrome virus in field and laboratory challenges [abstract]. In: Devoe R, editor. *World Aquaculture 2001: Book of Abstracts*. 2001 Jan 21-25; Orlando, Florida. Baton Rouge (LA): World Aquaculture Society p 459.
- Prior S, Browdy CL. 2000. Postmortem persistence of white spot and taura syndrome viruses in water and tissue [abstract]. In: Hart BP, Brown BL, editors. *Aquaculture 2000: Book of Abstracts*. 2000 Feb 2-5; New Orleans, Louisiana. Baton Rouge (LA): World Aquaculture Society p 397.
- Prior S, Browdy CL. 1999. Considerations for development of bioassay systems for analysis of penaeid viruses [abstract]. In: Webster CD, editor. *Aquaculture 1999: Book of Abstracts*. 1999 Jan 27-30; Tampa, Florida. Baton Rouge (LA): World Aquaculture Society p 155.

Courses,
Policies &
Procedures
Developed

- Developed classes and website for laboratory resources, news, and safety
- Communication policy for Grice Marine Laboratory staff
- Designed sign out procedures for equipment, keys and access cards
- Devised maintenance protocols for aquarium room and computer lab
- Developed Residence Hall Policies and Procedures
- Prepared Hurricane Preparation Plan and Chemical Hygiene Plan
- Established biosecurity protocols and sample database for SCDNR lab
- Designed Dye Theory course for Dye House Associates

References

Available upon request