

Sherrie Bain



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727-471-8363



Objective

I am seeking an opportunity within a visionary organization where I can use my wealth of dynamic professional expertise to contribute to the continued growth of the organization within an atmosphere of creativity and innovation.

Career Summary

I am a motivated, goal oriented individual with excellent communication qualities. I am an accomplished Microbiologist, with expertise in Molecular Genetics, Marine, and Environmental Microbiology research techniques. I have proven my ability to conduct award-winning research and develop comprehensive training and leadership platforms within multiple organizations throughout my career.

I have spearheaded crucial initiatives such as the development of guidelines for the design and establishment of Bio-safety Level 2 research facilities; quality assurance laboratories for industrial companies, as well as for off-site environmental field research standards and protocols. I possess solid experience in creating strategies and protocols that enhance research methodology both at the basic research and industrial application level.

In addition, I have demonstrated success in leadership roles to facilitate the development of organizations during periods of tremendous growth. My diverse scientific experience in commercial industry as well as smaller basic research and academic settings is an invaluable asset to any organization. I value my impact on those seeking to develop a career path in STEM-related careers through my extensive mentoring and classroom experience as a teacher and mentor to students from elementary through undergraduate levels.

I am a published author with articles in scientific research journals that contribute to the advancement of basic scientific knowledge, as well as large environmental problem resolution. I am also a passionate advocate for the empowerment of individuals to allow them to achieve their highest potential. I support various public health and social justice advocacy agencies and non-profit organizations.

Skills

QUALIFICATION HIGHLIGHTS

- . Bioinformatics Technology
- . Laboratory Management
- . Environmental Assessment
- . Client Services Operations Management
- . Project Management
- . Molecular Genetics
- . Organizational Development
- . Oracle Proficient
- . Networking Relationship Development Process Improvement
- . Training/Mentoring Team Leadership
- . Sales/Marketing Experience

Proficiency in MS Office software (Word, Excel, Powerpoint, etc.), Lotus123, Oracle Database Management System, Citrix Records Management System.

Education

University of Massachusetts

2004 - 2008

Microbiology (Doctoral Candidate)

Gordon Research Conference in Genetic Toxicology travel grant recipient; Secretary of the Society of the Advancement of Chicanos & Native Americans in Science (SACNAS) student chapter; Recipient of the 2005 SACNAS National Convention Oral Presentation award, Honorable Mention for the Academic Keys Future Faculty Award; Founder and Chair of the Face AIDS UMass student chapter; Franklin Medical Center Emergency Department Volunteer.

Texas A&M University

2002 - 2004

Master of Science

Microbiology (Bacterial Genetics/Bacteriology)

Myron Jacob Foreman Trust scholarship recipient; TAMU Graduate school academic scholarship recipient; Member of the Graduate Student Council; Member of the International Graduate Student Organization & Caribbean Students Association. International Programs Office Research Travel Grant recipient.

University of Tampa

1999 - 2000

Bachelor of Science

Biology

Myron Jacob Foreman Trust scholarship recipient; American Indian Science & Engineering scholarship recipient; University of Tampa academic scholarship recipient; College Reading & Learning Association trained professional peer tutor.

The College of The Bahamas

1995 - 1997

Associate of Science

Biology

Myron Jacob Foreman Trust scholarship recipient

Gerace Marine Research Travel Grant recipient

Work Experience

HUSSON UNIVERSITY

2015 - Present

Natural Science Instructor

I teach undergraduate biology and microbiology courses. In addition to lecture classes, I also teach undergraduate laboratory courses in microbiology and biology.

PRIVATE CONSULTANT

2009 - Present

Microbiologist

I provide consultation services in a variety of Microbiology-related areas including: Textbook/literature development, lab safety procedures and process development, quality assurance, Environmental Microbiology, and Infectious Disease. I also develop innovative science-related reading modules for children

KEISER UNIVERSITY, FL

2010 - 2015

Natural Science Instructor

Courses taught included: Microbiology, Biology and Advanced Biology, Environmental Science, Forensic Biological Evidence, and Marine Science.
Chair of the Student Success Team (2012-2014).
Lead developer and Coordinator of the Peer Tutor Program (2013-2014).
Teaching & Learning/Instructional Coaching Steering Committee (2012 - 2014).
Faculty Advisor for the BS, Interdisciplinary Studies Degree Program (2012-2014)
Wellness Committee (2013-2014).

TEST LAB, YANKEE CANDLE INTERNATIONAL, WHATLEY, MA

2008 - 2009

Lab Technician IV

Responsible for all aspects of supervision of Lab Tech I-III in the Quality Assurance and Testing Laboratory. Product Testing, Quality Assurance, Research & Development

THE COLLEGE OF THE BAHAMAS MARINE AND ENVIRONMENTAL STUDIES INSTITUTE (COB-MESI), NASSAU, BAHAMAS

2007 - 2009

Research Associate

Collaborated to develop the Annual Report for COB's Poultry Research Unit (COB-PRU); Developed proposal for implementation of a Level II Bio-safety (BSL-2) laboratory at the PRU; Development of lab safety manual and protocol for testing of poultry for Avian Influenza (AI).

MICROBIOLOGY. DEPARTMENT OF MICROBIOLOGY UMASS, AMHERST

2004 - 2008

Graduate Teaching/Research Assistant

Instructor of Medical Microbiology Laboratory course to nursing majors. Provided hand-on training in Medical Microbiology laboratory techniques.

GRADUATE EMPLOYEE ORGANIZATION (GEO), UMASS, AMHERST

2006 - 2007

Campaigns Coordinator

Organized various events to engage and inform GEO membership about relevant issues and to facilitate dialog and collaborations with other university and non-university organizations; Co-Chair Organizing Committee and Chaired Women's Caucus Committee; Web-site maintenance, filing and database maintenance.

DEPARTMENT OF CIVIL & ENVIRONMENTAL ENGINEERING, UMASS AMHERST

2005 - 2005

Research Assistant

Acquisition of water quality sample collection and database maintenance for the Blackstone River Water Quality Assessment Project.

DEPARTMENT OF BIOLOGY TEXAS A&M UNIVERSITY

2002 - 2004

Graduate Teaching/Research Assistant

Microbiology lab instructor for Microbiology majors and non-majors. Provided excellent hands-on practical experience for students pursuing Microbiology and other scientifically related degrees.

ATLANTA BIOLOGICAL, NORCROSS, GA

2001 - 2002

Biological/Medical Sales Associate

Highly successful sales associate for a biotech company that specialized in the production and supply of reagents for use in medical research laboratories and tissue culture facilities.

NATURE'S CLASSROOM, CHARLTON, MA

2001 - 2001

Science Teacher

Science educator for visiting elementary and high school students in a non-traditional environmental education-based program. Classes taught included: Physiology, Ecology, and Soap-making.

JOHNSON CONTROLS, INC/NATIONAL MARINE FISHERIES SERVICE, PACIFIC ISLANDS OFFICE HONOLULU, HAWAII

2000 - 2001

Fisheries Biologist

Biological auditor working onboard commercial long-line fishing vessels to monitor fishing activity for protected species by-catch, collection of biological specimen, and tagging and release of endangered species.

THE FLORIDA AQUARIUM, TAMPA, FL

2000 - 2000

Pathology Intern

Research assistant in the quarantined area monitoring aquarium residents under quarantine, performing necropsies and preparation of tissue samples for histological analyses, as well as routine water quality monitoring with the aquarium.

**THE NATURE CONSERVANCY/BAHAMAS
DEPARTMENT OF AGRICULTURE & FISHERIES,
NASSAU, BAHAMAS**

1998 - 2000

Research Assistant

Conducted pioneering research to assess important fisheries resources including the Queen Conch (*Strombus gigas*), and factors such as land-based sources of pollution that impact marine and terrestrial habitats.

Additional Information

SELECT PUBLICATIONS

Bain, Sherrie. Human Impact and the Marine Environment in the Bahamas. Bahamas Journal of Science. Vol. 8 No.1 November, 2000.

Bain, Sherrie. The Bahamas: Land of the Seminole, Isle of the Forgotten Stallions. Texas A&M Global Peek magazine, February, 2004.

Bain, Sherrie. An unknown regulator affects cell division and the timing of entry into stationary phase in *Escherichia coli* (Master of Science Thesis-Texas A&M, May, 2005).

Bain, Sherrie. From Deep Sea To Deep Space: Life In Hydrothermal Vent Communities. Metavue Corporation Publication, 2007.

Bain, Sherrie. A Difficult Truth in Sub-Saharan Africa. UMass, Amherst Daily Collegian on April 29, 2008.

Sullivan-Sealey, K, R.J. Taylor, P. G. Johnson and S. Bain. 2007 Annual Report Poultry Research Unit 2006-2007. Marine and Environmental Studies Institute Technical Report 07-01:46pp.

Bain, Sherrie. Deletion of Pol IA alleles increases sensitivity to hydrogen peroxide in the parasitic protozoan *Trypanosoma brucei*. African Journal of Microbiology Research, Vol. 3 No. October 2009.

Deborah A. Siegele, Sherrie Bain, and Weimin Mao. Mutations in the *flhD* gene of *Escherichia coli* K-12 do not cause the reported effect on cell division. FEMS Microbiol Lett. 2010 Aug 1;309(1):94-9. Epub 2010 May 20.

Bain, Sherrie. Presenting: The Virus Invader. Amazon.com press (2011)

Bain, Sherrie. Presenting: The Virus Invader, Bahamian Edition. Amazon.com press (2011)

Bain, Sherrie. Dengue Fever: An Emerging Infectious Disease In The Bahamas. International Journal of Bahamian Studies. 2011; 17(2):67-72

NEWS ARTICLES (Education and Health)

Bedbugs at schools

Dealing with bullies

Dealing with bullies part II

Dealing with bullies part III: a mother's pain

Fighting childhood obesity and Type-2 Diabetes through educational intervention

Helping children to manage juvenile diabetes in school

Perry Barber: a baseball love story

Finding the right education program for a kids who are interested in sports careers

Perry Barber: taking the road less traveled

Career advice from professional female umpire, Perry Barber

World AIDS Day: the power of students to make a difference

Waiting for the dream to become a reality

Childhood vaccinations and autism: myths and misinformation

Black History Month: honoring legacies and bridging gaps through education

Keeping the wolves at bay: internet dangers and your children

AWARDS

Honorable Mention Future Faculty Research Grant Application (2008)

Myron Jacobs Foreman Trust Scholarship (1997-2008)

SACNAS Oral Presentation Award (2005)

Gordon Research Conference in Genetic Toxicology Travel Award Recipient (2005)

The Environmental Protection/American Indian Science and Engineering Society Scholarship (2000)

University of Tampa International Student Fellowship (1999)

Mangrove Cay High School Valedictorian and ID McPhee Most Outstanding Student Award (1995)

ACADEMIC & PROFESSIONAL AFFILIATIONS

Advancement Via Individual Determination (AVID) Mentor (2003-2004)

AIDS Foundation of The Bahamas, Grants and Procurement Liaison (2009-2013)

American Indian Science & Engineering Society (1999-present)

American Society of Microbiology (2008-Present)

American Society of Microbiology International Scientific Mentor (2007)
Bahamas Association for the Physically Disabled Volunteer (1995-1996)
Caribbean Students Association, Texas A&M University (2002-2004)
College of The Bahamas Alumni Association Member (2007-present)
Franklin Medical Center, Emergency Department Volunteer (2005)
Graduate Student Council Representative-International Graduate Students Association-Texas A&M University (2003-2004)
Horizons For the Homeless Volunteer (2005-2008)
Microbiology Graduate Student Group, UMass, Amherst (2004-2008)
Partners in Health/FACE AIDS UMass Student Chapter Coordinator (2007-2009)
Quantum House, Community Volunteer (2011-2012)
Research Article Reviewer, Academic Journals (2009-2010)
Summer Program for Undergraduate Research (SPUR) Near-Peer Mentor, UMASS, Amherst (2005-2006)
Texas A&M Alumni Association (2004-Present)
Texas Science Olympiad Judge (Texas A&M University) (2002-2004)
The University of Tampa Alumni Association (2000-Present)
United Nations Volunteer (2015 -Present)
Women's Health Project Making Choices Workshop Facilitator (UMass) (2005-2006)