

CAREER OBJECTIVE

Seeking for a suitable position in a molecular biology/microbiology laboratory

HIGHLIGHTS OF QUALIFICATIONS

- Internationally trained innovative molecular biologist with more than 6 years of work experience in microbiological laboratory
- Good theoretical and experimental knowledge of microbiology and cellular laboratory procedures
- Independently operated analytical instruments to generate data (instrumentation includes UV Spectrophotometer, Spectrofluorometer, pH meter, Gel Filtration Chromatography, DNA Sequence Analyzer, instruments that are used in DNA, RNA and protein research)
- Troubleshooting of laboratory equipment and instrumentation
- Extensive knowledge of aseptic techniques, media preparation and culture maintenance
- Comprehensive experience in handling clinical samples, routine microbiological and biochemical tests
- Solid experience in biological techniques, including: Yeast culture and live cell imaging, culturing and genetic manipulation of bacterial cells, recombinant DNA technology, PCR, RT-PCR, primer designing, protein expression analysis, western blotting and SNP analysis
- Excellent knowledge of laboratory safety procedures for handling hazardous chemicals and done CT WHMIS General and Chemical
- Proficient in Microsoft Office and Primer Designing and Sequencing Analysis softwares
- Proactive with problem-solving, time management skills and ability to work in a fast-paced environment
- Work well independently as well as a team member; possess excellent verbal and written communication skills

PROFESSIONAL EXPERIENCE

Research Associate (Co-op)	June, 2018-July, 2018
<i>Ryerson Mars Research facility, Chemistry and Biology Department, Ryerson University, Canada</i>	
Senior Scientific Officer	2015-2016
<i>Molecular Biotechnology Division, National Institute of Biotechnology, Bangladesh</i>	
Research Associate	2014-2015
<i>Department of Biochemistry and Molecular Biology, Shahjalal University of Science and Technology, Bangladesh</i>	
Research Assistant	2012
<i>Division of Clinical Laboratories, National Cancer Center, Japan</i>	
Research Assistant	2010-2011
<i>Laboratory of Gene Expression, Graduate School of Biomedical Science, Tokyo Medical and Dental University, Japan</i>	
Research Assistant	2007-2010
<i>Department of Biochemistry and Molecular Biology, Saitama University, Japan</i>	
Research Assistant	2006-2007
<i>Molecular Biology Lab, Department of Biochemistry and Molecular Biology, University of Dhaka, Bangladesh</i>	

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PERFORMED DUTIES

- Prepared and sterilized media, solutions, chemical reagents following standardized formulas
- Maintained documentation, equipment log books and ensured maintenance of laboratory equipment in accordance with standard operating procedures
- Conducted microbial enumeration of environmental samples according to established test methods
- Handled microbial culture and their storage in -80°C
- Evaluated PCR based detection of food borne micro-organisms
- Checking and ensuring the record of supplied materials and equipment. Made order, received & ensured their proper arrangement in the lab
- Followed, developed and optimized lab protocols and SOPs
- Familiar with good manufacturing practices (GMPs), guidelines and regulatory requirements related to retail food industries
- Prepared research proposals for national and international grants
- Adapted appropriate DNA extraction procedure from blood, bacterial culture
- Conducted advanced hands-on basic biotechnology training classes on bacterial culture, PCR, genetic mutation detection by restriction digestion, DNA sequencing, spectroscopy, electrophoresis
- Fluorescence in Situ Hybridization (FISH) microscopic examination of cells
- Provided DNA sequencing services for research institutes
- Designed primers and analyzed by High-Resolution Melting Analysis (HRMA) to identify SNPs
- Worked for BioBank project in collection, processing and storage of blood samples of cancer patients
- Maintained detailed record of experiments and assisted supervisor with analysis of data and preparation of reports

EDUCATION

Software Engineering Technician Diploma (2 years full-time program) <i>Centennial College, ON, Canada</i>	2019-2021 (expected)
Biotechnology Diploma <i>Centennial College, ON, Canada</i>	2018-2019
PhD, Biochemistry and Molecular Biology <i>Saitama University, Japan</i>	2007-2010
Master of Science, Biochemistry and Molecular Biology <i>University of Dhaka, Bangladesh</i>	2002-2003
Bachelor of Science, Biochemistry and Molecular Biology <i>University of Dhaka, Bangladesh</i>	1998-2002
CANEX CO-OP (Quad 4 Student) <i>City Adult Learning Center (CALC), Toronto, Canada</i>	April, 2018-July, 2018

References available upon request