

## BIOCHEMISTRY—RÉSUMÉ SAMPLE

### **Student Name**

Address, City, Province, Country, (555) 555-5555, email@email.com

### **HIGHLIGHTS OF QUALIFICATIONS**

- Embrace diversity, teamworking and collaboration
- Demonstrate ingenuity and innovation when solving problems
- Fast learner by integrating the new skills into daily routines
- Five years of experience in laboratory settings in research and industry
- Excellent sense of direction and valid class 5 drivers' license
- Proficient at Microsoft Office Word, Excel, and PowerPoint
- Accurate in online/ offline monitoring of bacterial species, gram staining, silver staining and aseptic techniques
- Excellent at public speaking

### **EDUCATION**



## SPECIAL SKILLS AND LABORATORY TECHNIQUES

**Biochemistry skills:** enzyme specificity, characterization of LPS structure on an SDS-PAGE gel, invasion assay using human epithelial cells, transposition mutagenesis via mini-kan transposon

**Molecular biology skills:** designing PCR primers for the fusion of DNA fragments, insertion/ removal of DNA fragment, site-directed mutagenesis, chemical transformation of prokaryotic cells, cDNA synthesis

**Cell biology skills:** replica plating, sterile techniques, direct counting method using hemocytometer, cryogenic preparation, viability assay using yeast cells, blood fractionation, mitochondrial isolation and assay of SDH using DCIP, phagocytosis and vacuole formation, dissections of rat, quail, perch, and starfish

**Microbiology skills:** microscopy, gram staining, media preparation, streak plate, spread plate, bacterial identification based on colony morphology, serial dilution, calculation of CFU/ml, optical density and standard curve, water analysis for coliforms by membrane filtration method and most probable number, nitrate reduction test, reviving freeze-dried stocks of bacteria

**Chemistry skills:** titration, TLC, stereochemistry, hypothetical synthesis of compounds;  $^1\text{H}$  NMR, proton decoupled/ proton-coupled of  $^{13}\text{C}$ ,  $^{14}\text{N}$ ,  $^{31}\text{P}$ ,  $^{207}\text{Pb}$  NMR, DEPT-135, COSY, NOESY, HMQC, HMBC, magnetic inequivalence, UV/Vis spectroscopy, mass spectroscopy.

**Computer skills:** Ultimaker Cura, MakerBot Print, Tinkercad, Pymol, R commander, PubMed, bioinformatics programs

**Certification:** WHMIS, Laboratory safety for lab workers, class 7 driver's license (N), Food Safe Level 1

