

Samira Boughari

596A Beach Street Revere, MA
bougharisamira@gmail.com (617) 401-5910

SUMMARY OF SKILLS

- Over two years' experience as a laboratory assistant preserving specimens and assisting students
- Working knowledge of immunohistochemistry, Image J software, PCR, collagen purification
- Over one year experience as a science teacher developing curriculum and lab protocols for physics and chemistry experiments and providing instruction on lab procedures and experiments
- Experience with blood chemistry analyses

LABORATORY AND TEACHING EXPERIENCE

Intern Research Assistant, Department of Biochemistry, Boston University, Boston, MA 01/ 2014-06/2014
Role of Myocardin Related Transcription Factor A (MRTF-A) in Wound Healing and Systemic Sclerosis Using a Mouse Model and Human Skin Tissue

- Performed immunochemistry on human and mice skin tissue to identify fibrotic targets such as connective tissue growth factor (CTGF) and collagen
- Use PCR to genotype transgenic mice
- Isolated collagen from the skin of wild type and knock-out mice, quantified using the Sircol assay and performed electrophoresis to identify different collagen types
- Used SPSS to analyze results

Math Teacher, Michtras Middle School , Tizi-Ouzou, Algeria 01/2011 - 06/2011

Science & Technology Teacher, Atkoufi Middle School, Tizi-Ouzou, Algeria 01/2010 - 01/2011

- Developed curriculum, created lesson plans and taught algebra, geometry, chemistry and physics classes
- Developed lab protocols for physics and chemistry providing instruction on lab procedures.

Animal Biology Lab Assistant, Mouloud Mammeri University, Algeria 10/ 2008 -07/ 2011

- Responsible for preparing, ordering, and maintaining necessary supply stocks
- Preserved organisms necessary for each lab practice session
- Responsible for maintaining integrity of lab equipment

Internship, Boghni Hospital, Tizi-Ouzou, Algeria Summer 2008

- Responsible for collecting and analyzing blood samples to measure glucose and cholesterol level, and to determine CBC
- Performed urine and stool culture to detect bacterial growth

EDUCATION

Bioscience Academy

Boston University School of Medicine and Metropolitan College, Boston MA 2013 - 2014

Certificate in Applied Biotechnology May 2014

Intensive, integrated training in fundamental biomedical laboratory science concepts of chemistry, biochemistry, molecular and cell biology. Practical experience in methods common to biomedical and biotechnology laboratories including solution preparation, protein purification, ELISA and mammalian cell culture with emphasis on documentation; lab safety, cGMPs, data analysis and presentation

Bunker Hill Community College, Boston, MA 2012 - 2013

Advanced English Classes

2004 - 2008

University Mouloud Mammeri, Tizi-Ouzou, Algeria

Bachelor of Science in Biology

Permanent US Resident