

# Ban Al-Joubori

University of Sharjah  
Applied Biology Department  
P.O. Box 27272  
Sharjah, UAE

+971 6 5053805  
baljoubori@sharjah.ac.ae  
[www.sharjah.ac.ae](http://www.sharjah.ac.ae)

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## Education

### MSc. Molecular Biology of Infectious Diseases

University of London Sept. 1995 – Aug 1996

### Biotechnology Graduate Certificate

University of McGill Jan – Aug 2000

### BSc. Chemistry

University of Jordan Sept 1988 – June 1992

## Work Experience

### University of Sharjah

*Lecturer*

Sep 2010 – present

- Teaching practical courses in most life science disciplines at the Biotechnology Program of the Applied Biology Department
- Senior Research Expert directing senior students in their research projects
- Member and Representative of several college of science and departmental committees

### Ottawa Health Research Institute

*Research Assistant*

Oct 2000 – June 2008

- Performed and managed Microinjections and Uterine Transfer surgery to make transgenic mice.
- Generated conditional knockout (cko) mice using recombineering method.
- Investigated the interacting proteins of Myod and Mfy5 transcription factors using Tandem Affinity Purification Method.
- Assisted graduate students with Thesis projects in various stages of completion.
- Managed Tissue Culture Facility.

## Publications

1. Saadoun, I., A. Ahmad, A. Nasir, **B. Al-Joubori** and A. El-Keblawy. 2014. Impacts of Invasive and Native Prosopis Plants from Deserts of the UAE on Soil Microbiota and Seed Germination of Desert Plants. *International Journal of Life Science and Medical Research (LSMR)*. 4 (1): 1-8.
2. Saadoun, I., K. Hamoudi, M. Kalandar, **B. Al-Joubori**, and Z. Jaradat. 2013. Inhibitory bioactive metabolites produced by actinomycetes isolated from mangrove ecosystem of Khor Kalba' shores, UAE. *International Journal of Biotechnology and Food Science*. 1(2): 39-45.

3. Parker MH, von Maltzahn J, Bakkar N, **Al-Joubori B**, Ishibashi J, Guttridge D, Rudnicki MA. 2012. MyoD-dependent regulation of NF- $\kappa$ B activity couples cell-cycle withdrawal to myogenic differentiation. *Skeletal Muscle* 2:6
4. Origin of Plasmodium Falciparum Malaria is Traced by Mitochondrial DNA. *Mol Biochem Parasitol*. 2000 Nov; 111(1):163-71.

## Technical Skill

### Management

- Managed Microinjection facility involving the isolation of blastocysts, microinjection, and uterine transfer surgery.
- Managed and trained personnel.
- Financial management including budgeting, invoicing and purchasing.
- Prioritising work to maximize throughput.
- Budgeting time and working on simultaneous projects.
- Worked under tight time constraints and meeting deadlines.
- Planned and coordinated research projects.
- Writing research papers.
- Conducted, coordinated and planned seminars and workshops.

### Health and Safety

- Detailed knowledge and understanding of the Workplace Health and Safety Act.
- Identifying Workplace Health and Safety training needs in conjunction with the Learning and Development Advisor and assisting in the implementation and delivery of statutory and non-statutory training programs.
- Conducting workplace inspections/audits and preparing reports outlining potential hazards and areas of improvements.

### Tissue Culture

- Establishing cultures from primary mouse muscle.
- Producing retrovirus and infection of mammalian cells.
- Preparing media and maintaining the tissue culture laboratory.
- Aseptic microbiological plating and culture.

### Molecular Biology

- Recombineering: Homologous recombination in *E. coli* using recombination proteins provided from  $\lambda$  phage.
- Tandem Affinity Purification: purification of interacting proteins from mammalian cells.
- Extracting and quantifying DNA, RNA and protein from mammalian cells and paraffin embedded tissues.
- Serological Assays.
- PCR, RLT-PCR, oligonucleotide design, gel electrophoresis.
- Western, Northern, and Southern blotting.

### Administrative/Communication Skills

- Word-processing: Microsoft Word.
- Spreadsheets: Microsoft Excel.
- Presentation Software: Microsoft PowerPoint, Adobe Photoshop.