

Curriculum vitae

Name : Layla J.R Al-Mansoori

Nationality : Qatari

Current Position : Research assistance in metabolic diseases – biomedical research center / Qatar University.

Languages: Arabic, English.

Contact Address : P.O. Box 14924

Doha- Qatar

e-mail: almansouri@qu.edu.qa

Education

1997: Bachelor degree in Biomedical science / Qatar University.

1999 & 2007 : International English Language Testing System (IELTS) “ grade-7.5”, academic / The British Council .

2005 : Master of science in Biochemistry. King Saud University, KSA.

The title of the project: Molecular Mechanism of Ukrain and Taxotere in Breast Cancer Cells.

Methods involved:

1. Animal cell culture.
2. Isolation or extraction of cellular protein and RNA from mammalian cell lines, to be used for several applications as SDS-PAGE and western blot analysis, PCR and cDNA expression array (Macroarray).
3. Different methods to examine cell viability, early and/or late apoptosis as . 7-Aminoactinomycin D assay method, Annexin V binding assay and detection of DNA laddering and Tunnel assay.

In addition to several other techniques and methods practiced through the collaborative project with KFSH & RC "breast cancer stem cell proteomic". These include:

- Digestion and processing of breast tissue biopsy sample into single cells.
- Isolation and enrichment of mammary progenitor/stem cell using fluorescent activated cell sorting analysis.
- 2D-PAGE combined with MALDI-TOF-MS proteomics.

2009-2013: Joined a PhD programme in Laboratory Medicine and Pathobiology (LMP)/ University of Toronto, involved working on an embryonic stem cells and differentiation to osteogenic lineage, Propagating and maintaining the pluripotent mouse embryonic stem cells.

Publication :

- *Al-Mansouri L J., Alokail M S.* (2006). Molecular basis of breast cancer. Saudi Med J, 27(1):9-16.
- Alaiya AA, Al-Mohanna M, Aslam M, Shinwari Z, *Al-Mansouri L*, Al-Rodayan M, Al-Eid M, Ahmad I, Hanash K, Tulbah A, Bin Mahfooz A,

Adra C. (2011). Proteomics-based signature for human benign prostate hyperplasia and prostate adenocarcinoma. *Int J Oncol.* 38(4):1047-57.

- **Al-Mansoori L.,** Yu Y., Opas M. (2015). Optimized osteogenic differentiation protocol from R1 mouse embryonic stem cells in vitro. *Differentiation.* 89;(1-2):1-10.

Teaching experience :

General Chemistry , Analytical Chemistry , Organic Chemistry & Biochemistry courses.

Short Courses and Conferences Attended

1999: Training Course on Environmental Pollution Monitoring Techniques / Scientific & Applied Research Centre – Qatar University.

1999 : First Qatar International Oncology Conference / Hamad Medical Corporation.

2002 : Fundamentals of Conducting Research symposium / King Faisal Specialist Hospital & Research Centre.

2003 : Introductory course in Biostatistics / King Faisal Specialist Hospital & Research Centre.

2006 : The founding conference for expatriate Arab scientist. / Doha-Qatar.

2007: Coordinated the first proteomic work shop “ Workshop on Proteomics: Isolation, Purification and Characterization of Proteins and Enzymes” with Prof. Malcolm Potts. Department of Biological Sciences-Qatar University. June 18th-21st, 2007.

2008: Al-Okail MS, Al-Mansouri LJ, Bin Amer SS. Gene array analysis of breast cancer cell lines Treated with Taxotere and Ukrain. *Advances in Cancer Research: From the Laboratory to the Clinic*, March 16 - 19, 2008, King Hussein Bin Talal Convention Center, Dead Sea , Jordan .

2009 : Al-Okail MS Al-Mansouri LJ, Bin Amer SS. Molecular mechanism effect of taxotere and ukrain in cell cycle regulating genes in positive and negative breast cancer cell lines. Annual Meeting of American Society of Biochemistry and Molecular Biology. 18-22, April, 2009. New Orleans , USA .

2009: Attended the First conference on Stem Cell held at the college of medicine, King Saud University Riyadh-KSA. 7-9 Nov. 2009.

2012: Al-Mansoori LJ, Yu YS, Dziak E, and Opas M. Optimization of embryonic stem cell osteogenic differentiation in vitro. Graduate Student Research Day 2012/ University of Toronto. Toronto, Canada.

2013: Al-Mansoori LJ, Yu YS, Dziak E, and Opas M. Calreticulin enhances mouse embryonic stem cell osteogenic differentiation: a crucial role in RUNX2 nuclear localization and STAT1 phosphorylation. Tenth Calreticulin Workshop: The Endoplasmic Reticulum and Beyond in Health and Disease, April 10th – 14th, 2013 in Banff, AB, Canada.