

Manal Humaid Al Khanbashi

📍 : Omani, Single, DoB: 14th April 1983, ☎: +(968) 9922 1915, @: manal.alkhanbashi@gmail.com,
✉ P.O. Box 83, Postal Code: 103, Bareeq A'Shatti, Sultanate of Oman.

Working experience

- Working as a “Lecturer” at Applied Science department at Higher College of Technology 16th Oct 2016- Present

Education

PhD in Genetics (Sultan Qaboos University, Oman and Karolinska Institute, Sweden)

- **Project:** The prognostic value of the dynamic changes of tissue and serum miRNA and serum cancer related proteins during neo-adjuvant chemotherapy in locally advanced breast cancer” June 2010 -January 2015

M.sc Clinical Biochemistry and Molecular Biology (SQU, Oman)

- **Project:** Alterations in plasma Acylation Stimulating Protein (ASP) levels in relation to hormone profile in Omani females Sep 2006- August 2008

B.Sc. Biotechnology (major), Chemistry (minor) (SQU, Oman)

- **Project:** Morphological changes in *Pseudomonas aeruginosa* in correlation to protein expression Sep 2001- June 2006

Research Projects handled

- The prognostic value of the dynamic changes of tissue and serum miRNA and serum cancer related proteins during neo-adjuvant chemotherapy in locally advanced breast cancer. College of Medicine and Health Sciences, Genetics, SQU 2011-2015
- Dynamic Changes of Global DNA Methylation Patterns during Neo-Adjuvant Chemotherapy Treatment: In vivo and In vitro models. College of Medicine and Health Sciences, Medicine, SQU 2012
- Epigenetics of gastric cancer in Oman and *Helicobacter pylori* genotyping. College of Medicine and Health Sciences, Medicine, SQU 2009
- Molecular and Functional Characterization of P2X7 gene coding Polymorphisms in Omani Patients with gastric cancer. College of Medicine and Health Sciences, Microbiology, SQU 2009
- BRCA 1 and 2 Gene Mutations, Loss of Heterozygosity, and Methylation in Familial and Young Sporadic Breast Cancer. College of Medicine and Health Sciences, Medicine, SQU 2008
- Effects of Electrical Current and Salinity on *Pythium aphanidermatum* growth. College of Agriculture and Marine Sciences, Crop Science, SQU 2006
- Isolation of DNA from Animal Tissue and Amplification Using Polymers Chain Reaction. College Science, Biology, SQU 2004
- Identification and Classification of Plant Pathogens. College Science and College of Agriculture and health Sciences, Biology and Plant Pathology, SQU 2003
- DNA extraction project from home reagents. College Science, Biology, SQU 2003

Conferences and Workshops

Conferences:

- “Science and You”, PhD Study day. University of Lorraine Metz, Nancy, France 31st May – 6th June 2015
- 3rd European-Asian Breast Cancer Congress “EURAMA”, Muscat, Oman 29-30 Oct 2014
Poster
- TWAS 25th General meeting, Poster Muscat, Oman 26-29 Oct 2014
- 9th International Conference on Anti-cancer therapy, Oral presentation Sithonia, Greece 02-09 Oct 2014
- UAE Cancer Congress, Poster Dubai, UAE 03-05 Oct 2013
- Karolinska (Oncology Pathology retreat), Oral presentation Stockholm, Sweden 22 August 2013
- American Society of Clinical Oncology, “ASCO”, Published Abstract Chicago, USA 2013
- International Conference on Consanguinity (ICC) - "Towards the Discovery of Genes Predisposing to and Protecting from Disease". Abstract Muscat, Oman 12-14 Feb 2011
- Lipid Management, Oman Heart Association, Attendance Muscat, Oman 01 April 2010

Workshops:

- Postgraduate Skills Enrichment, SQU 22 Feb - 26 April 2010
- Bioinformatics Workshop, SQU 10 - 14 April 2010
- Research Methodology Workshop, SQU 9 - 12 November 2009

Career-skills development Courses:

- “The epigenome: an interface between nutrition and health" course ,Karolinska Institute, Solna, Sweden 13-May-2016
- “Methods in Molecular biology and proteomics and their application in medical Research” course ,Karolinska Institute, Huddinge, Sweden 7-18th Sep2015
- “Basics Course in Medical Statistics” course ,Karolinska Institute, Solna, Sweden 16 Feb- 6th Mar 2015
- Non-coding RNA and cancer, Karolinska Institute, Solna, Sweden 13-17 May 2013
- Cell death and cancer, Karolinska Institute, Solna, Sweden 15-19 April 2013
- “Gene expression Analysis”, Karolinska Institute, Huddinge, Sweden. 17-21 May 2010

Work Positions:

- “Lecturer” at Applied Science department at Higher College of Technology Oct 2016 Present
- Taught tutorials of “Human Genetics” at Genetics Department, College of Medicine and Health Sciences, SQU Teaching Assistance 2010-2012
- Supervised MD student in lab work in Colon cancer project of DEAR1 gene expression Project supervisor 2010
- Supervised 2 M.sc students from college of Science in breast cancer studies Lab supervision 2008-2010
- Worked in Food & Environmental Monitoring Centre at food monitoring labs. At Ministry of Regional Municipalities, Environmental & Water Resources Trainee Jul 2006
- Worked as teaching assistant in College of Science. Held the lab practical & lectured some of the theory parts of the course Teaching assistant Jun-Aug 2007

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| • Practical Training course at Royal Oman Police Hospital Laboratory. | Trainee | May-Jun 2005 |
| • "Student Technical Program" in a biology laboratory for one semester. | Technical Assistant | Feb-May 2005 |
| • Training in Microbiology Laboratory in College of Science, Department of Biology. | Trainee | Jun-Aug 2005 |
| • At Directorate of Health Affairs at Muscat Municipality in Food Microbiology Labs | Trainee | Jun-July 2004 |

Publications

- Tissue and Serum miRNA Profile in Locally Advanced Breast Cancer (LABC) in Response to Neo-Adjuvant Chemotherapy (NAC) Treatment. Manal Al-Khanbashi, Stefano Caramuta, Adil M. Alajmi, Ibrahim Al-Haddabi, Marwa Al-Riyami, Weng-Onn Lui, Mansour S. Al-Moundhri. PLOS ONE. 2016 April; (11) 4.
- MicroRNAs and carcinogenesis- Breast cancer as an example. Al-Khanbashi M and M Al-Moundhri. *Oncology Reviews*. 2015 Oct; 9 (1).
- **Effect of nalidixic acid on the morphology and protein expression of *Pseudomonas aeruginosa***. Al Bahry S, Sivakumar N, Al-Khambashi M. *Asian Pacific Journal of Tropical Medicine*. 2012 April. 5(4).
- **Acylation stimulating protein: a female lipogenic factor?** Saleh J, Al-Wardy N, Farhan H, Al-Khanbashi M, Cianflone K. *Obesity Reviews*. 2011 Jun; 12(6).
- **Association of E-cadherin (CDH1) gene polymorphisms and gastric cancer risk**. Mansour S Al-Moundhri, Manal Al-Khanbashi, Mohammed Al-Kindi, Maryam Al-Nabhani, Ikram A Burney, Abdulaziz Al-Farsi, and Bassim Al-Bahrani. *World Journal of Gastroenterology*. 2010 Jul; 16(27)
- **Acylation-stimulating protein increases and correlates with increased progesterone levels during the luteal phase of the menstrual cycle**. *European Journal of Endocrinology*. Saleh J, Al-Khanbashi M, Al-Maarof M, Al-Lawati M Rizvi S, and Cianflone K. 2009 Feb;160(2).
- Breast cancer serum Cancer-Related proteins expression using Proximity Extension Assay (**manuscript**)
- DNA methylation in breast cancer (**manuscript**)

Achievements:

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| • Initiated the "amaware" initiative for public awareness on healthy lifestyle, breast cancer, fitness and healthy diet (Constructed a webpage and social media) | 2015-2016 |
| • University of Lorraine Award for International PhD students, France | 2015 |
| • The Science Week Festival awards, SQU | 2001-2008 |
| • Awarded certificates from College of Medicine and Health Sciences for participating " Impact of Spiritual Values in Omani Culture " | 2007 |
| • Awarded certificate from College of Medicine and Health Sciences for participating in the Medical Conference for the GCC countries. | 2006 |
| • Awarded certificates from Society " Friends Association " for participating in the group activities. | 2003-2006 |
| • College of Science Sports Day awards | 2003-2006 |
| • Awarded certificates from Chemistry group activities | 2004-2005 |
| • Deans awards for College of Science orientation week | 2003-2005 |
| • Biology group awards | 2001-2005 |
| • Awarded for the second prize for " DNA project " | 2001-2003 |
| • SQU Art exhibitions | 2001-2003 |

Memberships in professional bodies and social activities:

- Member of the "Environmental Society of Oman" 2003-present
- Chairperson of "1st Students Scientific Forum" 2008-2009
- Organized the first female summer club "Basmati" 2008
- President of College of Science Students' Society (CSSS). 2004-2006
- Member of the "Oman-Japan Friendship Association" 2003-2006
- Member of the "Oman Association for Consumer Protection" 2003-2006
- Volunteer in the UNICEF Organization. 2003-2004
- Member in the Fine Art Society at SQU 2002-2003
- Member in the "Friends" society at SQU 2001-2004

References

Prof. Mansour Al Moundhri

Senior Oncologist, Professor
Medical Oncology Unit
Department of Medicine, College of Medicine
and Sultan Qaboos University Hospital.

Tel. (office): + (968) 2414-1194

Email: mansours@squ.edu.om

Dr. Adil Al-Ajmi

Senior Breast Reconstruction Surgeon
Department of Surgery, College of Medicine
and Health Sciences and Sultan Qaboos
University Hospital.

Tel. (office): + (968) 2414-3490

Email: adilalajmi@hotmail.com

Dr. Weng-Onn Lui

Assistant Professor
Department of Oncology-Pathology, Karolinska Institute
Cancer Center Karolinska, Karolinska University
Hospital-Solna, Sweden

Tel. (office): +(46) 8-5177-3930

Email: weng-onn.Lui@ki.se

Dr. Andreas Montelius

Research coordinator
Division of clinical physiology, Department of
Laboratory Medicine, Karolinska, Huddinge-campus,
Sweden

Tel. (office): + (46) 8-5858-6771

Email: andreas.montelius@ki.se