

SEHAM AWADH ALSHEHRI (BSc PGD MSc)

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Education & Qualification:

- **Imperial College London (UK)**
2012-2013 **Post Graduate Diploma (PGD)** in Human Molecular Genetics from Imperial College London, College of medicine, Medical Research Center (MRC), for practical project entitled " Genetic Control of Macrophage-specific networks in kidney disease"
- **University of Reading (UK)**
2004- 2005: **M.Sc.** Master's degree in Biochemical Research, college of science, for thesis entitled Crystallographic studies of the DNA Holliday Junction (HJ).
- **King Khalid University (Saudi Arabia)**
2000-2003: **BSc in Science** King Khalid University, Saudi Arabia.

Professional Experience:

- 2010- Present Researcher at Prince Naief Center for Immunology Research (**PNCIR**), King Saud University, Saudi Arabia.
- 2006- 2009 Research Technician - Saudi Diagnostic Laboratory, Genetics Department, King Faisal Specialist Hospital and Research Centre (KFSH&RC). Involved in many research projects including: Aniridia, Severe Combined ImmunoDeficiency (SCID), Chronic Granulomatous Diseases (CGD), and Hemophagocytic Lymphohistiocytosis (HLH).

Awards and Scholarships, and Achievements:

- 2013 Postgraduate Scholarship to fund PhD studies in Immunology related topic (King Saud University, Saudi Arabia)
- 2004 Postgraduate Scholarship for **MSc** in Biochemical Research.

Related Laboratory & Skills:

- Animal Cell Culture.
- Aseptic Techniques in Cell Culture.

- Isolation of Poly-Morphonuclear cell (PMNL) and Peripheral Blood Mononuclear Cells (PBMNC)
- Microscopy (Light, fluorescence, confocal & multi-photon)
- Immunohistochemistry.
- Flow Cytometry.
- Molecular Biology Techniques: PCR, western blot.
- Using datasets for : Inferring co-expression networks, mapping the genetic control of networks by using computer programs
- Computational approaches for eQTL mapping, using available tools: Microarray gene expression analysis using R and Bioconductor, comparative genomics analysis using databases and web tools (Ensembl, UCSC, RGD, DAVID).
- Gene transfection.

Related Computer Skills:

- Haploview, Hapmap, R foundation.
- Genotyping data analysis, SeqMan for sequence assembly and analysis, Cyrillic, Primer 3, Windows, Word, Excel, etc and use of different genome databases and normal office software's.
- Proficient in Microsoft Windows Office, including Word, Excel and PowerPoint.

Conferences, Seminars & Workshops:

April 2011	Saudi Allergy Asthma & clinical Immunology, Saudi Arabia.
2008	Genetic counseling and testing within preventive programs in Saudi Arabia. King Faisal Specialist & Research Center.
2008	A workshop in Methodology of the ethics of scientific research Course, King Faisal Specialist & Research Center.

Language (spoken and written)

Fluent in English and Arabic

Interest:

- Reading & Drawing.
- Amateur journalist and columnist in a number of daily Saudi National newspapers (Alwatan & alsharq)
- Published a number of articles in "Althaqafiah" magazine; a periodic regular publication by the Saudi Cultural Bureau in London.
- A co-author in a book titled "Women in Saudi Arabia global visions", Gainaa Foundation for Studies and Information.
- Published a number of articles in Journal of Chemistry published by King Saud University, Riyadh. Saudi Arabia

References:

To be provided upon request.