CURRICULUM VITAE

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Suha Mustafa Hassan was born on 8th of February, 1985 in Muscat, Oman. She finished her high school in 2002 with second highest score among Year 12 students at the national level and was granted a full scholarship to complete her bachelor degree in Melbourne – Australia. She got her Bachelor of Science certificate in 2006 and was qualified to do her research Honours year at Prince Henry's institute of medical research in affiliation with Monash Univeristy in Melbourne on XY females with Prof. Vincent Harley. In 2007 she was graduated with high class Honours degree and by 2008 she joined the Genetic Laboratory in Oman which she has been working in till now. In 2011, she was offered to do her PhD at Leiden University Medical Centre with Prof. Piero Giordano and Dr. Kees Harteveld. Her PhD project is based entirely on Omani cases either affected or carrier of hemoglobin disorders. Sample and data collection as well as hematological tests and DNA extraction was all conducted in Oman while advanced molecular analysis were held in Leiden during 3 months visit every year. During this PhD, Suha was exposed to new techniques such as melting curve analysis and ion torrent PGM sequencing. Her project was focused towards preventing hemoglobinopathies in Oman by identifying the spectrum of all the mutation alleles involved and drawing genotype-phenotype correlation by looking at various genetics determinants. She is now working at the hemoglobinopathy diagnostic laboratory in Oman, with the goal of implementing high quality work flow and advanced diagnostic tools which she gained during her PhD years in Leiden.

LIST OF PUBLICATIONS

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1. Hassan SM, Hamza N, Jaffer Al-Lawatiya F, Jaffer Mohammed A, Harteveld CL, Rajab A, Giordano PC. Extended molecular spectrum of bera- and alpha- thalassemia in Oman. Hemoglobin. 2010;34(2):127-34.

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3. Hassan SM, Harteveld CL, Bakker E and Giordano PC. Hb Lansing and a new β promoter transversion (- 52 G>T): An attempt to define the phenotype of two mutations found in the Omani population. Hemoglobin. 2015;39(2):111-4.

4. Hassan SM, Harteveld CL, Bakker E, Giordano PC. Molecular spectrum of α-globin gene defects in the Omani population. Hemoglobin. 2014;38(6):422-6.

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6. Hassan SM, Al Muslahi M, Al Riyami M, Al Balushi A, Bakker E, Harteveld CL and Giordano PC. Haplotypes, sub-haplotypes and geographical distribution in Omani patients with Sickle Cell Disease. Thalassemia reports. 2015; 5(4739): 6-11.

7. Hassan SM, Al Muslahi M, Al Riyami M, Bakker E, Harteveld CL and Giordano PC. Association of XmnI (-158 γ^G) polymorphism and response to hydroxyurea in Omani S/S and S/β patients. Genetic Genome Research. 2014, 1:1 ISSN:2378-3648

8. Hassan SM, Al Muslahi M, Al Riyami M, Bakker E, Harteveld CL, Giordano PC. Sickle cell anemia and α-thalassemia: A modulating factor in homozygous HbS/S patients in Oman. Eur J Med Genet. 2014;57(11-12):603-606.

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10. Hassan SM, Bakker E, Harteveld CL, Giordano PC. Primary prevention of hemoglobinopathies by prenatal diagnosis and selective pregnancy termination in a Muslim country: Oman. Thalassemia Reports. 2014; 4(4171):19-21.

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