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The use of new technology to improve genetic testing

Almomani, R.

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List of publications

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Curriculum Vitae

Rowida Almomani was born on 4th of February, 1979 in Al-Ruseifa, Jordan. She passed the general secondary education examination (Tawjihi) in 1997. She then studied Biology at Mutah University in Al-Karak, Jordan, and got her Bachelor degree with the highest average and thus being the top student at the Bachelor program for that year, 2001. She got the Honoree certificate for advanced academic achievements in the Bachelor period. In 2005, Rowida got her Master degree in applied biology from the Jordan University of Science and Technology (JUST) in Irbid, Jordan. Two years later she joined the group of Prof. Martijn H Breuning, at the Clinical and human genetics department of Leiden University Medical Center (LUMC) in Leiden, the Netherlands, to do her PhD. During her PhD work, she has been introduced to different molecular diagnostic technologies including the rapidly developing field of next generation sequencing (NGS). Her research focuses on the application of NGS and the use of new technologies, especially High Resolution Melting Curve Analysis (HR-MCA), targeted and exome sequencing, to be able to identify the causal pathogenic variants in different genetic diseases and to improve genetic testing. In December 2011 until now, she works as a post doc at the department of Genetics of the University Medical Center Groningen (UMCG), the Netherlands. Currently her research subject focuses on finding pathogenic mutations in genes related to Cardiomyopathies and Heart diseases by exome sequencing. The research projects she worked with have provided her with a broad view that makes her able to work independently as well as in a team-work and makes her highly motivated to work in different areas of genetic research.