

Publications

1. **Khalid K. Alharbi** and Alastair Cumming (2001). Apolipoprotein E and Low-density lipoprotein receptor related protein polymorphisms: association with Colorectal Cancer risk. Poster abstract in Minneapolis, Minnesota, USA, *The Journal of the Association of Genetic Technologists (AGT)*. **27(3):112. 2001, 68.**
2. **Khalid K. Alharbi** (2001). The association between colorectal cancer and lipid metabolism. *Asian Pacific Journal of Allergy and Immunology*. (Abstract) **19: 155-161. 2001.** The paper presented at the 4th meeting of the association of Saudi Medical Technologists, Hammersmith Hospital Imperial College School of Medicine, London.
3. Poster abstract in postgraduate conference **2002** in Southampton General Hospital in University of Southampton. Poster **2002, 3.**
4. Presentation and abstract in postgraduate conference **2003** in Southampton general Hospital in University of Southampton, title: Development of an approach to scan a population for unknown mutations in the MC4R gene in relation to obesity. Speaker abstract **2003, 5.**
5. **Book Chapter (8)**. Day INM, Al-Dahmesh MA, **Alharbi KK**, Chen X, Ganderton RH, Gaunt TR, Hinks LJ, O'Dell SD, Spanakis E (2003). Electrophoresis in microplate formats. In: She ye, Ian N.M.Day, editors. Microarrays and microplates: Applications in Biomedical Sciences. *BIOS Scientific Publishers, Oxford, 2003. pp 145-169. ISBN:185996074X.*
6. Two posters with abstracts in Faculty Postgraduate Conference **2004** in Biomedical Sciences in University of Southampton. Posters **2004, BH2& BH3**
7. Abstract for HUGO conference (HGM2004) in Berlin, Germany April **2004**. Speaker workshop abstract **2004, 100.**
8. Two Abstract for HUGO conference (HGM2004) in Berlin, Germany April **2004**. Poster **341, 360**
9. Abstract for *European Human Genetics* Conference **2004** in Munich, Germany.
INM Day, L Haddad, **Khalid K Alharbi**, S Ye, D.A Lawlor et al. *European Journal of Human Genetics*, **12 (supplement 1). 2004, P1000.**
10. Presentation and abstract in Human Genome Variation Society, Scientific meeting, **2004** in Berlin, Germany. Speaker Abstracts **2004, 5 & 16.**
11. Abstract for *Atherosclerosis* conference in Seville, Spain **2004**.
Khalid K Alharbi, L Haddad, S Ye, D A Lawlor, R A Whittall, E Spanakis, X Chen, H Rassoulilian, I Simpson, D I W Phillips, C Cooper, G DaveySmith, S E Humphries, S Ebrahim, IN M Day. Mutation Scanning of *LDLR* in the Whole Population. *Atherosclerosis Supplements*, **Vol 5 No. 1, 2004, P80, W14.345.**

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12. **Book Chapter (9)**. I.N.M. Day, M.A.Al-Dahmesh, L. Haddad¹, **K.K. Alharbi**, X.Chen, H. Rassoulilian², S.E. Humphries³, E. Spanakis⁴, D. Eccles. MeltMADGE: economical very high throughput mutation scanning using thermal ramp electrophoresis in conjunction with MADGE (microplate array) gels. *Wiley Publishers*. 2005. pp 85-99. ISBN: 0471234443
13. *Ian N M Day, ***Khalid K. Alharbi**, Matt Smith, Mohammed Al Dahmesh, Bea Zhang, Andrew Lotery, Nick C P Cross, ShuYe, Diana Eccles, ¹Keith Fox, Santi Rodriguez. Paucimorphic Alleles *versus* Polymorphic Alleles and Rare Mutations in Disease Causation: Theory, Observation and Detection. *Current Genomics*. 2004, 5 (5), 431-438. *Equal contributorships
14. **Khalid K. Alharbi**¹, Spanakis 1E, Karen Tan 3, Smith MJ, M. A. Aldahmesh O'Dell 1S D, Sayer AA, Lawlor DA, Ebrahim S, Smith GD, O'Rahilly S, Farooqi S, Cyrus Cooper 2, Phillips DI, I N M Day¹. Prevalence and functionality of paucimorphic and private MC4R mutations in a large, unselected European British population, Scanned by meltMADGE. *Human Mutation*, 2007, 28(3):294-302. PMID: 17072869
15. **Khalid K Alharbi**¹, Mohammed A. Aldahmesh, 1E Spanakis, 2L Haddad, 2R A Whittall, 1X Chen, 6H Rassoulilian, Matt J. Smith, Julie Sillibourne, Nicola J. Ball, Nikki J. Graham, Patricia Briggs, Iain A. Simpson, 3D I W Phillips, 4D A Lawlor, 1S Ye, 2S E Humphries, 3C Cooper, 4G Davey Smith, 4S Ebrahim, Diana M. Eccles, 1I N M Day. Mutation scanning by meltMADGE: validations using *BRCA1* and *LDLR*, and demonstration of the potential to identify severe, moderate, silent, rare and paucimorphic mutations in the general population. *Genome Research*, (2005). 15 (5): 967-977, PMID: 15998910.
16. Matt Smith, Gabriella Pante-de-Sousa, **Khalid K Alharbi**, Xiao-he Chen, Ian N. M. Day, Keith R. Fox. Combination of His-tagged T4 endonuclease VII with MADGE or capillary electrophoresis for economical high throughput mutation scanning. *Clinical Chemistry*, (2005). 51 (6): 1043-1046.
17. **Book Chapter (6)**. Matt Smith, **Khalid K. Alharbi**, Mohammed A. Aldahmesh, Gabriella Pante-de-sousa, Guangwei Hou, Xiao-he Chen, Keith R. Fox, Ian N. M. Day. MADGE-based technologies for identification of unknown mutations at the population level. In *Genetic Variance Detection: technologies for pharmacogenomics* (ed Karl Hecker). DNA Press, LLC, 2006. pp 145-162. ISBN: 097476550
18. Santiago Rodriguez, Tom R. Gaunt, Shuwen Huang, Mohammad R. Abdollahi, **Khalid K. Alharbi**, Xiao-he Chen and Ian N. M. Day. Genomic applications of Microplate-Array Diagonal-Gel Electrophoresis (MADGE): Approaches for SNPs, microsatellites, RNA expression and unknown mutations. *BIOforum Europe*. 01/2005, pp 42-43, GIT VERLAG GmbH & CO. KG, Darmstadt, Germany, www.Gitverlag.com/go/bioint. Republished in BIOforum Europe Highlights issue for 2006, 01/2006, pp 52-53

19. **Khalid K. Alharbi** and Ian N. Day. High throughput mutation scanning for MC4R in meltMADGE. Biosciences2005, from gene to system in Glasgow, Scotland July 2005. *Biosciences 2005 Speaker No. 0192 and poster abstract No. 0497*
20. **Khalid K. Alharbi** and Ian N. Day. High throughput mutation scanning for LDLR in meltMADGE. Biosciences2005, from gene to system in Glasgow, Scotland July 2005. *Biosciences 2005 Poster abstract No. 0457*
21. **Khalid Alharbi**, Santiago Rodriguez, Shuwen Huang, Ian N Day, Tom R Gaunt. Online Encyclopedia for Genetic Epidemiology studies (OEGE). HGM2006 in Finland 31May -3 June 2006. The 11th HUGO meeting Poster abstract **No. 021**
22. **Khalid K. Alharbi**. Mutation scanning for MC4R gene in Saudi Arabia. BioSciences2006 23-27 July 2006, SECC, Glasgow, UK. Poster abstract **No. 0477**.
23. Shuwen Huang, Xiao-he Chen, Junlong Zhang, Philip Guthrie, Mohammad R. Abdollahi, **Khalid K. Alharbi**, Mohammed Aldahmesh, Matthew J. Smith, Santiago Rodriguez, George Davey Smith, Chris Byrne, Tom R. Gaunt, and Ian N.M. Day. 2006. Microplate array diagonal gel electrophoresis (MADGE) for high throughput quality control and for economical transcriptional profiling. MipTec – **The 10th Leading European Drug Discovery Event. Basel (Switzerland), May 8-11, 2006.**
24. **Khalid K. Alharbi**. Anthropometric measurements of obesity and MC4R gene mutation screening in Saudi Arabia. **LifeSciences2007, 8-12 July 2007, SECC, Glasgow, UK. Poster abstract No. PC8.**