

Personal

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Education

- **2014- Doctor of Philosophy (PhD)** **University of Bristol (Bristol, UK)** – School of Social and Community Medicine, Faculty of Medicine and Dentistry

Thesis title: The Genetic Basis of Low Levels of PSA in the General Population

Supervised by: Dr Santiago Rodriguez, Professor Ian Day

- **2008- MSc Clinical Biochemistry** **University of Surrey (Guildford, UK)** – School of Biomedical and Molecular Sciences, Faculty of Health and Medical Sciences

Thesis title: Computational Analysis of the role of Selenoproteins in Human Metabolism

Supervised by: Dr. Andrzej Kierzek, Professor Margaret Rayman

- **2001- BSc Clinical Laboratory Sciences** **King Saud University (Riyadh, Saudi Arabia)** – College of Applied Medical Sciences

Internship placement [Jan-Dec 2001 (1 year)]: King Faisal Specialist Hospital & Research Center (KFSHRC), Riyadh

- **1996- General education (secondary)** **Model Institute of The Capital (Riyadh, Saudi Arabia)**

Employment

Advisor

Deanship of Admissions and Registration (DAR), KSU
[Feb 2015 – present]

- Advising on admission and registration processes pertaining to preparatory year programmes in KSU

Assistant Professor

CLS Dept, CAMS, KSU
[Feb 2015 – present]

- Undergraduate Teaching – Clinical Biochemistry courses (CLS 232 -Fundamentals of Clinical Biochemistry-, CLS 332 - Clinical Instrumental Analysis-, CLS 431 – Clinical Enzymology-)
- Rapporteur, Community Service Committee (CLS Dept, CAMS, KSU)

Teaching Assistant

CLS Dept, CAMS, KSU
[Sep 2006 – Feb 2015 (8.5 years)]

- Pursuit of postgraduate education in the UK

Teaching Assistant

College of Health Sciences (Riyadh), Ministry of Health
[Sep 2003 - Sep 2006 (3 years)]

- Instructor (lab practicals/tutorials for Biochemistry & Haematology courses).
- Internships coordinator (with MOH hospitals and dispensaries).
- Committee member (interviewing prospective students -typically secondary school graduates-).
- Committee member (competency testing for graduates of Saudi private medical institutes applying for 'Laboratory Technician' positions within MOH dispensaries).

Medical Technologist (MT)

King Faisal Specialist Hospital & Research Center (KFSHRC), Riyadh
[Apr 2002 - Sep 2003 (1.5 years)]

- GC/MS (analysis of herbal, environmental, clinical and food samples; detection of toxins and carcinogens).
- HPLC (Therapeutic drug monitoring).

Publications

- **Very low PSA levels and deletions of the *KLK3* gene (2013)**

Santiago Rodriguez*, Osama A Al-Ghamdi*, Kimberley Burrows, Philip A.I. Guthrie, J. Athene Lane, Michael Davis, Gemma Marsden, Khalid K Alharbi, Angela Cox, Freddie C Hamdy, David E Neal, Jenny L Donovan, and Ian N.M. Day. *Clin Chem*. 2013 Jan; 59 (1): 234-244, (DOI: 10.1373/clinchem.2012.192815)

<http://www.clinchem.org/content/early/2012/11/19/clinchem.2012.192815.abstract>

- **Frequency of *KLK3* gene deletions in the general population (2014) –manuscript under review-**

Santiago Rodriguez*, Osama A Al-Ghamdi*, Philip A. I. Guthrie, Hashem A Shihab, Wendy McArdle, Tom Gaunt, Khalid K Alharbi and Ian N M Day.

* Equal first authorship

Presentations

- **Investigation of the genetic basis of very low PSA levels (2010)**

Osama Al-Ghamdi, Kimberley Burrows, Philip Guthrie, Jenny Donovan, Athene Lane, Michael Davis, Angela Cox, Freddie Hamdy, David Neal, Ian Day and Santiago Rodriguez.

The National Cancer Research Institute (NCRI) Cancer Conference, Liverpool, UK - *November 7th-10th, 2010*

<http://conference.ncri.org.uk/abstracts/2010/abstracts/B8.htm>

- Poster presentation at the Population Health Research Theme Annual Symposium, University of Bristol, *November 24th 2010*
- Oral presentation of findings in the MRC Centre for Causal Analyses in Translational Epidemiology -CAiTE- meeting, *April 8th 2011*.

- **Genetic basis of very low prostate specific antigen levels: first identified gene inactivations in *KLK3* (2011)**

Osama Al-Ghamdi, Kimberley Burrows, Philip Guthrie, Jenny Donovan, Athene Lane, Michael Davis, Angela Cox, Freddie Hamdy, David Neal, Ian Day and Santiago Rodriguez.

The Genetics Society - 5th Mammalian Genes, Development and Disease Meeting, Bristol, UK - *July 8th 2011*.

<http://www.bris.ac.uk/media-library/sites/phys-pharm/migrated/documents/program.pdf>

- Oral presentation in the School of Social and Community Medicine Postgraduate Away Day, Bristol Marriott Hotel City Centre, *October 19th 2011*.

Continuous Education and Development

<ul style="list-style-type: none"> • Introductory Course in Molecular Biology • Saudi Career Development Programme (SCDP) Day (<i>As a member of organizing this event, advertising the programme to the public</i>) 	KFSH&RC, Riyadh, Saudi Arabia	Mar 19 th -21 st 2001
<ul style="list-style-type: none"> • Attitude Skills • Career Development Skills 		Apr 23 rd 2002
<ul style="list-style-type: none"> • 1st Riyadh International Symposium on Transfusion Medicine 	Ministry of Health, Riyadh, Saudi Arabia	Jun 15 th 2002 Jul 13 th -15 th 2003 Dec 16 th -17 th 2003
<ul style="list-style-type: none"> • 5th Riyadh International Symposium on Haematology 	Chamber of Commerce & Industry, Riyadh, Saudi Arabia	Mar 14 th -17 th 2004
<ul style="list-style-type: none"> • Seminar: The Role of Sports Sciences in Athletic Achievement 	Sports Sciences and Physical Education Dept., College of Education, KSU, Riyadh	Apr 17 th -19 th 2006
<ul style="list-style-type: none"> • Basic Epidemiology • Critical Appraisal of Quantitative Research • Introduction to Statistics • Introduction to Human Genetics • Introduction to Bioinformatics • The Complex Genome • Introduction to Stata • Genetic Association Studies 	School of Social and Community Medicine short courses, University of Bristol, UK	Jan 18 th -22 nd 2010 Jan 26 th 2010 Feb 1 st -5 th 2010 Feb 17 th -19 th 2010 Apr 22 nd -23 rd 2010 May 27 th -28 th 2010 Feb 24 th -25 th 2011 May 25 th -26 th 2011
<ul style="list-style-type: none"> • Introduction to micro RNA and small interfering RNA • Introduction to real time PCR • Biomarkers in research and clinical practice 		Nowgen Centre short courses, NIHR Manchester Biomedical Research Centre- Manchester, UK
<ul style="list-style-type: none"> • The European Child Cohort Network (EUCCONET) Genome-wide Sequencing Workshop 	The MRC Centre for Causal Analyses in Translational Epidemiology -CAiTE- University of Bristol, UK	Mar 16 th -17 th 2011
<ul style="list-style-type: none"> • The 1st South West Metabolic Study Day, Taunton, Somerset, UK • The ACB -Southwest and Wales- meeting "Cardiovascular disease and Current Hot Topics", Bristol Royal Infirmary, Bristol, UK • The ACB spotlight meeting "Early Detection of Cancer –Prostate & Ovarian" Royal College of Pathologists, London, UK • The Association for Clinical Biochemistry (ACB) National Meeting FOCUS 2012, BT Convention Centre, Liverpool, UK 	The Association for Clinical Biochemistry and Laboratory Medicine (ACB), London, UK	June 9 th 2011 June 30 th 2011 July 15 th 2011 May 1 st -3 rd 2012

Scientific Memberships

• American Association for Clinical Chemistry (AACC)	USA	2012 - to date
• American Society for Human Genetics (ASHG)	USA	2012 - to date
• Association for Clinical Biochemistry and Laboratory Medicine (ACB)	UK	2008 - 2014
• International Genetic Epidemiology Society (IGES)	USA	2009 – 2012
• American Genetic Association (AGA)	USA	2012
• Saudi Society for Clinical Laboratory Scientists (SSCLS)	KSA	2014 – to date

Other (voluntary activities/recognition awards)

- Academic Excellence Award – Saudi Cultural Bureau (SACB), London, UK 2013
- President – General Elections Committee for Saudi Students Clubs in the UK and Ireland – Term 31 – 2011
- President – Saudi Students Club in Bristol – Term 30 – 2010 - 2011
- Vice President – Saudi Students Club in Bristol – Term 29 – 2009 - 2010
- Member of the Organizing Committee – The Saudi Career Development Program (SCDP) Day - King Faisal Specialist Hospital & Research Center (KFSH&RC), Riyadh, Saudi Arabia 2002
- Member of the Cultural Committee – Prince Faisal bin Fahd Youth Hostel, Riyadh (Saudi Arabian Youth Hostels Association): 2001 - 2007
 - Winners of the Annual Cultural Competition on the Cup of His Royal Highness, Prince Faisal Bin Fahd (twice, in 2001 & 2007)
 - Runners-up of the Annual Cultural Competition on the Cup of His Royal Highness, Prince Faisal Bin Fahd (twice, in 2004 & 2006)
- Member of the Cultural Committee – Al-Hilal Saudi Club, Riyadh 2001 - 2004
 - Winners of the Kingdom's Annual Cultural Competition – Saudi General Presidency of Youth Welfare (GPYW) – Dammam, Saudi Arabia (2002)
 - Winners of the GCC Annual Cultural Competition – 2nd Cultural Forum for the Youth of GCC countries – Doha, Qatar (2003)
- Rapporteur – Cultural Activities Committee – Student Activities Committee – CAMS (KSU) 2000
- Student of the Year Award – CAMS (KSU) 2000

UPDATED IN 17/03/2015