

Curriculum Vitae

CONTACT INFORMATION ☐

Name:

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PERSONAL INFORMATION ☐

Date of Birth:

01/09/1984

☐ *Place of Birth:*

Surrey, United Kingdom

☐ *Nationality:*

Saudi ☐

EMPLOYMENT HISTORY

09/2007-03/2008:

Clinical dietitian at King Fahad Medical City Hospital.

2008 up to 2014:

Research assistant at King Saud University and a sponsored student in Reading University, UK for MSc and PhD

2015:

Lecturer in nutrition at King Saud University

EDUCATION □

2001-2006:

Bachelor's degree in Applied Medical Sciences in the field of Community Health-Nutrition at King Saud University.

2006-2007:

A one year internship as a clinical dietitian in both King Faisal Specialized Hospital and King Fahad Medical City Hospital. Training in most hospital wards (Cardiovascular, Diabetes, Pediatric, NICU, ICU, Renal, Obesity and Rehab wards) and clinics (Diabetes, Obesity, Pediatric, Renal).

Mar-Sep 2008:

Academic English course at the University of Surrey.

Oct 2008- Sep 2009:

Msc in Nutrition and Food Sciences at the University of Reading.

Oct 2009- 2014:

PhD in nutrition, immunity and ageing at the department of Food and Nutritional Sciences at the University of Reading.

2010:

- Participation with poster in ISSFAL Conference held in the Netherlands.

- Participation with poster in the EFA2010 conference sponsored by UCL (University college London) held in London, UK.
- Attendance and participation in International symposiums and workshops including Aspects in Nutrition Symposium 2007, Clinical Aspects of Parenteral and Enteral Nutrition 2007, Fatty Acids: medicine and menace Conference 2010, International Scientific Conference on Probiotics and Prebiotics 2012, the Yakult Symposium 2013, ,

PROFESSIONAL QUALIFICATIONS □

PhD in the field of Nutrition, ageing and immunity awarded by The University of Reading, Reading, UK in 10/07/2014

Masters degree of Sciences in the field of Nutrition and food Science with Distinction awarded by The University of Reading, Reading, UK in 12/12/2009.

Bachelor degree of Applied Medical Sciences in the field of Clinical Nutrition with a GPA of (4.51/5.00), and an excellent grade with "second class honour" awarded by King Saud University ,Riyadh, Saudi Arabia in 25/02/2006.

International English Language Testing System (IELTS) with General score of 7

Training in statistics for nutritional research at the nutrition society workshop 2013, University of Westminster

Operation training on FACSCANTO II flow cytometer at BD Biosciences oxford training laboratories 2010

Trained in the opportunity and challenges for faculty members workshop (2012) organized by Academic Leadership Centre, MOHE held in London, UK

Research experience:

Masters research project:

The title of the research project: Is DHA Status Affected by the Menstrual Cycle in Young Women? The purpose of this study was to investigate the effect of sex hormone variation during a single menstrual cycle on the long chain n-3PUFA profile in plasma phosphatidylcholine (PC) in young women, in order to test the hypothesis that DHA levels are influenced by varying oestrogen concentration. The subjects were healthy

women (n=30) with a regular menstrual cycle; aged 18-40 years and consuming their usual diet. 12hr fasted blood samples were collected at mid- and end-cycle days of their menstrual cycle. In addition, the fatty acid composition results were compared with those of 21 women using the oral contraceptive pill during their pill phase. The fatty acid composition of plasma PC was analysed by gas chromatography. No significant difference in DHA levels was found due to the cycle. No significant relationship was found between DHA concentration and oestrogen in women not taking the pill. There was no significant effect of oral contraceptive use on DHA status, although there were significant differences in other fatty acids in plasma PC.

PhD research project

My PhD project is part of the PRIMAGE study (Probiotic Immunity and Ageing), which is a double-blind placebo controlled, parallel clinical trial carried out from September 2010 to July 2011 led by Professor Parveen Yaqoob (my PhD supervisor) and funded by BBSRC-DRINC (Biotechnology and Biological Sciences Research Council with contribution from the Diet and Health Industry Club). The aims and objectives of the PRIMAGE study are:

- To investigate the impact of a novel probiotic on immune response to influenza vaccination in young adults (n=60) and older subjects (n=60) and to determine whether there are specific benefits in terms of immunosenescence.
- To determine the cellular and molecular basis for the modulation of immune function through probiotics.

During the study, all blood samples from the human trial were cryopreserved in liquid nitrogen for analysis. My role was to run the study and evaluate some of the main immune outcomes.

My work has investigated the influence of a novel probiotic (*Bifidobacterium longum* bv. *Infantis* CCUG 52486) and potential prebiotic (gluco-oligosaccharide) supplement on the composition of the intestinal microbiota in both the healthy young and older subjects who took part in the PRIMAGE study, and the relationship of the gut microbiota to responses to influenza vaccination. In addition, I did explore the ability of innate immune markers to predict responses to influenza immunisation, and investigated the effects of the pre- and probiotic on these innate immune markers (using samples which were cryopreserved for me during the study). Finally I looked at the effect of treatment on changing the faecal metabolite composition using NMR.

List of published abstracts

1. I. Bin Dayel, C. Maidens, H. Dong, A. Przemska, L. Xie, S. Collins, C. Childs, I. Rowland, K. Tuohy, S. Todd, M. Gosney, P. Yaqoob, Bifidogenic

effects of a novel synbiotic are associated with better seroconversion to influenza vaccine. International Yakult Symposium, London, April 2013.

2. I. Bin Dayel, C. Maidens, H. Dong, A. Przemska, L. Xie, C. Childs, I. Rowland, K. Tuohy, S. Todd, M. Gosney, P. Yaqoob, The effect of a novel synbiotic on the innate immune response to influenza vaccination in young and older subjects. 11th Annual Meeting of ISAPP, New York, June 2013.
3. I. Bin Dayel, C. Maidens, H. Dong, A. Przemska, L. Xie, C. Childs, I. Rowland, K. Tuohy, S. Todd, M. Gosney, P. Yaqoob, The effect of a novel synbiotic on the gut microbiota of healthy young and older adults receiving an influenza vaccination. International Scientific Conference on Prebiotics and Probiotics in Kosice, Slovakia, in June 2012.

PROFESSIONAL MEMBERSHIPS

Current member of the British Nutrition Society

INTERESTS

Reading, Traveling