

Emad S. Al-Yahya

Personal Information:

- Nationality: Jordanian
- Date of birth: 13 November 1977
- Place of Birth: Irbid - Jordan
- Marital status: Married

Education:

Jan, 2007 – July, 2011 Faculty of Healthy and Life Sciences
Oxford Brookes University, Oxford, UK

PhD: Neural correlates of cognitive motor interference while walking
Examiner: Dr Nick Ward (UCL)

Supervisors: Prof Helen Dawes (Oxford Brookes University)
Prof Heidi Johansen-Berg (The University of Oxford)

Sep, 2001 - Feb, 2004 School of Physical and Occupational Therapy
McGill University, Montreal, Canada

MSc Rehabilitation Science (Applied): TRPC localization in the rat entorhinal cortex

Supervisors: Prof Robert W Dukes (McGill University)
Dr Angle Alonso* (MNI- McGill University)

Oct, 1995- June,1999 College of Medical and Health Technology
Baghdad, Iraq

BSc in Medical Technology (Physiotherapy)

Aug,1993 – June,1995 Almazar Secondary School
Irbid, Jordan

High School Certificate (Scientific Stream)

Work Experience:

Aug, 2011- present **Assistance professor**
Department of Physiotherapy
Faculty of Rehabilitation Sciences
University of Jordan, Amman, Jordan

July, 2011- present **Associate research fellow**
Movement Science Group
Faculty of Healthy and Life Sciences
Oxford Brookes University, Oxford, UK

Sep, 2012- Aug, 2013 **Department Chair**
Department of Orthotics and Prosthetics
Faculty of Rehabilitation Sciences
University of Jordan, Amman, Jordan

Jan, 2012- Aug, 2013 **Assistance professor**
Department of Orthotics and Prosthetics
Faculty of Rehabilitation Sciences
University of Jordan, Amman, Jordan

- Jan, 2011- July, 2011 **Postdoctoral research fellow – Full time**
Movement Science Group
Faculty of Healthy and Life Sciences
Oxford Brookes University, Oxford, UK
- Jan, 2007- Dec, 2010 **Associate research fellow**
Plasticity in Disease Group
Nuffield Department of Clinical Neurology
University of Oxford, Oxford, UK
- Oct, 2007- Dec, 2010 **Associate Lecturer (Neuroscience)/Part time**
School of Life Sciences
Oxford Brookes University, Oxford, UK
- Jan, 2008- July, 2008 **Associate Lecturer (Neurophysiology)/Part time**
School of Health & Social Care
Oxford Brookes University, Oxford, UK
- Oct, 2007- July, 2008 **Clinical Rehabilitation Specialist - Part time**
CLEAR Unite
Oxford Brookes University, Oxford, UK
- Sep, 2004- Dec, 2006 **Lecturer & Clinical Instructor (Neurological Rehabilitation) - Full time**
Faculty of Rehabilitation Sciences
University of Jordan, Amman/Jordan
- May, 2002 – Feb, 2004 **Research Assistant (Dep. Of Neurobiology – Complex Nervous System)**
Montreal Neurological Institute
Montreal, Quebec, Canada
- Jan,2002-May, 2002 **Research Assistant (Stroke Rehabilitation Research Team)**
School of Physical and Occupational Therapy,
McGill University, Montreal, Quebec, Canada
- Oct, 2001-Dec, 2001 **Teaching Assistant (Assessment in Rehabilitation)**
School of Physical and Occupational Therapy
McGill University, Montreal, Quebec, Canada
- Aug,2000- Sep, 2001 **Teaching Assistant (Neurological Rehabilitation)**
Faculty of Rehabilitation Sciences
University of Jordan, Amman, Jordan
- Aug,1999-Jul, 2000 **Physiotherapist (Neurological Physiotherapy)**
Private Physiotherapy Clinic
Irbid, Jordan

Publications:

Al-Yahya E, Johansen-Berg H, Kischka U, Zarei M, Cockburn J, Dawes H. Prefrontal Cortex Activation While Walking Under Dual-Task Conditions in Stroke: A Multimodal Imaging Study. *Neurorehabil Neural Repair*. 2015 Oct 21. pii: 1545968315613864. [Epub ahead of print]

Meester D, **Al-Yahya E**, Dawes H, Martin-Fagg P, Piñon C. Associations between prefrontal cortex activation and H-reflex modulation during dual task gait. *Front Hum Neurosci*. 2014 Feb 18;8:78.doi: 10.3389/fnhum.2014.

Al-Yahya E., Dawes, H., Smith, L., Dennis, A., Howells, K. Cockburn, J. (2011) Cognitive motor interference while walking: A systematic review and meta-analysis. *Neuroscience & Biobehavioral Reviews*, 35, 715-728.

Al-Yahya, E., Dawes H, Johansen-Berg H, Howells K, Cockburn J, Izadi H, Zarei M., Kiska, U. (2010) 026 Increased Prefrontal Cortex Activation During Dual-task Walking in Patients with Chronic Stroke. *Parkinsonism & Related Disorders*, 16, S7-S7 (Abstract)

Al-Yahya, E., Dawes, H., Collett, J., Howells, K., Izadi, H., Wade, D., Cockburn, J. (2009) Gait adaptations to simultaneous cognitive and mechanical constraints. *Experimental Brain Research*, 199, 39-48.

Al-Yahya E, Dawes H (2008). Feasibility of NIRS in detecting neural activation in the DLP cortex during cognitive tasks. *Society for Research in Rehabilitation*, Winter Meeting 15th Jan 2008. (Abstract)

Al-Yahya E, Hamel E, Kennedy TE, Alonso AA, Egorov AV (2003). Persistent activity in entorhinal cortex neurons induced by muscarinic and metabotropic glutamate receptor activation and its dependent on TRP channels. *Soc Neurosci Abstr Program No. 377.5*. (Abstract)

Al-Yahya E, Johansenberg, H, Dawes H, Kischna, U, Zarei, M, Howells K, Izadi H, Wade DT, Cockburn J. Wade, D. Neural correlates of cognitive motor interference during simulated walking (in preparation)

Presentations:

Al-Yahya E. “*Prefrontal cortex activation during dual-task walking; implications in stroke rehabilitation*”. Rayners Hedge Rehabilitation Centre, Aylesbury, UK. 11 April 2011.

Al-Yahya E. “*Increased Prefrontal Cortex Activation During Dual-task Walking in Patients with Chronic Stroke*”. The 3rd International Congress on Gait & Mental Function, Washington D.C., USA, February 26-28, 2010.

Al-Yahya E. “*Prefrontal Cortex Activation During Dual-Task Walking*”. The 3rd Annual Stroke Research Network Conference. Newcastle, UK. 8–9 July 2009.

Al-Yahya E. “*Neural correlates of cognitive motor interference while walking*”. The 3rd Oxford-Heerlen Imaginary & Neurological Rehabilitation Conference, Zoyd University, The Netherlands. 15 May 2009.

Al-Yahya E. “*Gait adaptation to mechanical and cognitive constraints*” Maastricht University, The Netherlands. 14 May 2009.

Al-Yahya E. “*Should it be illegal to talk while walking down the road?*” Ground round talk, Nuffield Orthopaedic Centre, Oxford, UK. 17 October 2008.

Scholarships:

Jan, 2007- Dec, 2010 University of Jordan
Graduate Scholarship
Program: PhD, Neuroscience

May, 2002- Feb, 2004 Montreal Neurological Institute, McGill University
Graduate Scholarship
Program: Neuroscience

Sep, 2001- Feb, 2004 University of Jordan
Graduate Scholarship
Program: MSc in Rehabilitation Science

- Aug, 1999 -July, 1999 Jordanian Ministry of Education
Undergraduate Scholarship
Program: B.Sc. in Physiotherapy
- Training:**
- 13 -14 June 2011 School of Technology
Oxford Brooked University
Wheatley Campus, UK
Statistical Methods (II) for Data Analysis using SPSS
- Sep 2008 – June 2009 FMRIB Centre
John Radcliffe Hospital
Department of Clinical Neurology, University of
Oxford, UK
FMRIB Graduate Program
- 09 -10 June 2008 School of Life Sciences
Oxford Brooked University
Headington, UK
Matlab for Life Sciences, Introductory course
- 8 -10 Nov 2007 Athinoula A Martinos Center for Biomedical
Imaging
Harvard University
Boston, USA
NIRS-DOT Visiting Fellowship Program
- 11 -12 June 2007 School of Technology
Oxford Brooked University
Wheatley Campus, UK
Statistical Methods (I) for Data Analysis using SPSS
- Reviewer**
- *Neuroscience and Biobehavioral Reviews*
 - *Journal of Motor Behavior*
 - *European Geriatric Medicine*
 - *Journal of the Neurological Sciences*
 - *Experimental Brain Research*
 - *Journal of Visualized Experiments*
 - *Clinical Rehabilitation*
- Funds:**
- Stroke Association (UK) 2007 – 2010 with Prof Helen Dawes
Stroke Association (UK) 2011 – 2014 with Prof Helen Dawes
Scientific Research Support Fund , Ministry of Higher Education (Jordan)
2013 – 2015 PI
- Other Activities**
- Aug,2005- Jan, 2007 Society of Arab Faculties & Institutes of
Physiotherapy
Saint Joseph University, Beirut, Lebanon
University of Jordan Representative (Department of Physiotherapy)
- References:**
- Prof. Helen Dawes**
Senior Lecturer in Physiology, Movement Science Group
School of Life Sciences, Oxford Brookes University
Research Fellow, Department of Clinical Neurology, University of Oxford, UK
Tel: + 44 (0) 1865 483293
Email: nhdawes@brookes.ac.uk
- Prof. Heidi Johansen-Berg**
FMRIB Centre

John Radcliffe Hospital
Department of Clinical Neurology, University of Oxford, UK
Tel: +44 (0) 1865 222548
Email: heidi@fmrib.ox.ac.uk

Prof. Robert W. Dykes
Professor, School of Physical and Occupational Therapy
McGill University, Montreal PQ CANADA H3G 1Y5
Tel: + 1 514 389 5586
Email: robert.dykes@mcgill.ca

** Deceased*