



## **Speaker Bios** **NeuroSKILL Study Day 11<sup>th</sup> May 2013**

### **Professor Des O'Neill**

***Professor in Medical Gerontology,  
Trinity College Dublin and Tallaght Hospital***

Prof. Des O'Neill, a consultant physician in geriatric and stroke medicine, is Director of Aois agus Eolas, the Centre for Ageing, Neuroscience and the Humanities at TCD and Tallaght Hospital [www.ageandknowledge.ie](http://www.ageandknowledge.ie). He has helped to develop a focus and academic engagement with health and the arts. These include a lecture series at the National Gallery on Ageing, Health and Art; a symposium and concert with the National Symphony Orchestra of music composed after stroke and dementia; a hospital residency for the Irish Chamber Orchestra; and together with IADT, Dun Laoghaire and CREATE a pioneering professional development training course for artists in healthcare, funded by the Arts Council. These have been among the first projects in Ireland to be the subject of scientific papers and presentations in the peer-reviewed medical literature. He is also the National Programme Director of the new Office for Traffic Medicine.



### **Jonathan McNulty**

***UCD NeuroSKILL Project Principal Investigator  
Head of Teaching & Learning Diagnostic Imaging Programmes, School of Medicine & Medical Science, University College Dublin***

Jonathan McNulty is Head of Teaching and Learning for Diagnostic Imaging programmes in University College Dublin, Ireland where he is BSc Radiography programme coordinator and oversees 20 postgraduate programmes. He is a University Fellow in Teaching and Academic Development, former chairman of the Erasmus Radiography Group, a consortium of 16 academic institutions from across Europe, and chairman of the Radiographers Scientific Subcommittee for European Congress of Radiology. Prior to his appointment in the UCD School of Medicine and Medical Science he worked clinically in Beaumont Hospital Dublin where he specialised in Magnetic Resonance Imaging. His research interests include medical education research, neuroimaging and image perception. He has delivered over 60 conference presentations and contributed to over 25 journal articles. He is also a proud Dublin GAA supporter!



### **Professor James Jones**

***Professor of Anatomy, School of Medicine & Medical Science,  
University College Dublin***

Prof. James FX Jones MB BCh BAO BSc PhD MD is a medical graduate of UCD and was appointed to the UCD chair of Anatomy in August 2012. He is an autonomic neuroscientist with special interest in the autonomic neural control of the cardiovascular, respiratory and gastrointestinal systems. He applies a range of neuroanatomical and electrophysiological techniques to his studies in animal and man. He is also interested in novel non-invasive methods of imaging using nuclear magnetic resonance. He is actively engaged in a translational medicine programme and has strong links with many branches of the Dublin Academic Medical Centre and the medical device industry, specifically Medtronic Inc.



### **Dr. Desiree O'Leary**

***Lecturer, School of Medicine & Medical Science,  
University College Dublin***

Dr Desiree O'Leary is a college lecturer in the School of Medicine and Medical Science. She has a PhD in Medical Imaging which examined the optimisation of mammographic examinations and previously undertook a taught Higher Diploma in Radionuclide Imaging as well as research in Radiopharmaceutical reconstitution practices for her MSc in Radionuclide Imaging. Dr. O'Leary undertook training in PET/CT applications in the research facility at the Turku PET Centre in Finland and lectures on the UCD PET/CT module.



### **Dr. Eoin Kavanagh**

***Consultant Radiologist / Senior Lecturer,  
University College Dublin and Mater Misericordiae University Hospital***

Dr Eoin Kavanagh is a consultant radiologist and senior lecturer in radiology at the Mater Misericordiae University Hospital and also a Consultant Radiologist at Cappagh National Orthopaedic Hospital. He started his radiology career at the Mater Misericordiae University Hospital where he completed a 4 year training program. He then went on to complete a fellowship in Neuroradiology at Vancouver General Hospital. Following this, he moved to Philadelphia to the Thomas Jefferson University Hospital, where he completed a fellowship in Musculoskeletal Radiology. Before returning to the Mater in 2007, Dr. Kavanagh was appointed as Clinical Assistant Professor of Radiology at University of Pittsburgh Medical Centre (UPMC) in the Division of Musculoskeletal Radiology, with a full university faculty appointment at the University of Pittsburgh. He has particular subspecialty interests in Neuroradiology and Musculoskeletal imaging.



### **Professor Arun Bokde**

***TCD NeuroSKILL Project Principal Investigator  
SFI Stokes Assistant Professor in Biostatistical Imaging, School of Medicine & Institute of Neuroscience, Trinity College Dublin***

Prof. Bokde has an appointment as Science Foundation Ireland Stokes Lecturer in Biostatistical Imaging in the Discipline of Psychiatry, School of Medicine. His main research interests is in understanding how large scale neural networks in the brain support cognitive function and how breakdown in such networks lead to cognitive impairment. He has been examining these issues by investigation of visual processing of stimuli in healthy subjects and in cognitively impaired groups such as Alzheimer's disease patients. In addition, he is investigating the networks that underpin memory function in healthy people and the breakdown of such networks in Alzheimer's disease. As well as examining cognitive function within the functional domain, he is very interested in how function and structure interact to produce changes in neural networks. He is investigating these issues with functional magnetic resonance imaging (fMRI), structural magnetic resonance imaging (MRI) and diffusion tensor imaging (DTI).



### **Dr. Paul Mullins**

***BU NeuroSKILL Project Principal Investigator  
Director, Senior MRI Physicist, School of Psychology, Bangor University***

Currently Director of the Bangor NeuroImaging Unit, Senior MRI Physicist, and senior lecturer in the department of Psychology, he collaborates with researchers from the College of Health and Behavioral Sciences on neuroimaging study design, data acquisition and processing and resources available to help with their research questions. He is also the Course organiser for the Masters in Neuroimaging. Actively involved in research using magnetic resonance spectroscopy to measure neurochemistry in central nervous system function and disorders, he has 24 publications in the area with a citation count of over 700. In particular projects are aimed at measuring neurotransmitter (Glutamate, Glutamine and GABA) changes and relationships in response to external and internal stimuli. Most recently work has focused on the simultaneous acquisition of MRS and EEG data to better elucidate the neurochemical correlates of neuronal activity.



### **Dr. Shane Foley**

***Lecturer, School of Medicine & Medical Science,  
University College Dublin***

Dr. Shane Foley is currently a Lecturer in the School of Medicine and Medical Science, UCD and previously worked in the Mater University Hospital, Dublin where he specialized in Computed Tomography. Shane recently completed his doctoral studies in the area of Computed Tomography. His main research interest is in the area of radiation dose optimisation on which his doctoral work was based. Shane continues to work on a number of similar projects by supervising a number of PhD students. He is also from Cork and a proud Cork GAA supporter!

