



## Osteoporosis & Other Metabolic Bone Diseases Online Course - March & April 2021

### An Introduction to our Faculty

#### **Professor Bo Abrahamson**



Bo Abrahamson is a parathyroid and skeletal endocrinologist at Holbæk Hospital, Holbæk, Denmark, Professor of Clinical Database Studies at the University of Southern Denmark, Odense, and Visiting Professor of Musculoskeletal Epidemiology at NDORM, University of Oxford.

He went to medical school in Odense, Denmark, and St. Andrews, UK (Experimental Pathology). His PhD (1997) was on cytokines and the postmenopausal bone loss and included lab work done at UMASS Medical Centre, Worcester, MA.

He is the present President of the European Calcified Tissue Society, a former member of the Board of Directors of the American Society of Bone and Mineral Research, member of the Advisory Committee of the Royal Osteoporosis Society Osteoporosis and Bone Research Academy and the Committee of Scientific Advisors to the International Osteoporosis Foundation. He is a member of the Committee for Nordic Endocrinology in the Novo Nordisk Foundation and the Endocrinology Specialist Group for the Danish Genome Centre. His research interests include bone pharmacoepidemiology, fracture epidemiology, osteoporosis genetics and epigenetics as well as lifecourse epidemiology. Holbæk Hospital runs the first Capture the Fracture Silver Accredited FLS service in Denmark.

**Dr Emma Clark**



Emma is a Reader in Rheumatology at the University of Bristol and an Honorary Consultant Rheumatology at North Bristol NHS Trust. Her main research area is musculoskeletal epidemiology, with a particular interest in identification of older people with vertebral fractures. Clinically she specialises in general rheumatology and osteoporosis.

**Dr Adam Darowski**



Dr Adam Darowski is a Consultant Physician in Oxford, and is the Falls Lead for Oxfordshire. His research includes the FalSafe project, which set the standard for inpatient falls, and work on medication and falls. He has run a falls clinic since 1992.

## **Professor Cyrus Cooper**



Cyrus Cooper OBE, DL, FMedSci is Professor of Rheumatology and Director of the MRC Lifecourse Epidemiology Unit; Vice-Dean of the Faculty of Medicine at the University of Southampton; and Professor of Epidemiology at the Nuffield Department of Orthopaedics, Rheumatology and Musculoskeletal Sciences, University of Oxford.

He leads an internationally competitive programme of research into the epidemiology of musculoskeletal disorders, most notably osteoporosis. His key research contributions have been: 1) discovery of the developmental influences which contribute to the risk of osteoporosis and hip fracture in late adulthood; 2) demonstration that maternal vitamin D insufficiency is associated with sub-optimal bone mineral accrual in childhood; 3) characterisation of the definition and incidence rates of vertebral fractures; 4) leadership of large pragmatic randomised controlled trials of calcium and vitamin D supplementation in the elderly as immediate preventative strategies against hip fracture.

He is President of the International Osteoporosis Foundation; Chair of the BHF Project Grants Committee; an emeritus NIHR Senior Investigator; and Associate Editor of Osteoporosis International. He has previously served as Chairman of the Scientific Advisors Committee, International Osteoporosis Foundation; Chairman, MRC Population Health Sciences Research Network; Chairman of the National Osteoporosis Society of Great Britain; past-President of the Bone Research Society of Great Britain; and has worked on numerous Department of Health, European Community and World Health Organisation committees and working groups. He has published extensively (over 900 research papers; hi=218) on osteoporosis and rheumatic disorders and pioneered clinical studies on the developmental origins of peak bone mass. In 2015, he was awarded an OBE for services to medical research.



## **Professor Celia Gregson**



Celia Gregson is a Professor of Clinical Epidemiology at the Musculoskeletal Research Unit (MRU), University of Bristol and an Honorary Consultant Orthogeriatrician at the Royal United Hospital NHS Foundation Trust in Bath. She qualified in Medicine from the University of Nottingham. Following physician training she was awarded a Wellcome Trust Clinical Research Training Fellowship. She completed a one-year MSc in Epidemiology from the London School of Hygiene and Tropical Medicine and then a PhD at the University of Bristol, during which she set up and still runs the UK DINAG consortium (DXA-databases to Identify Novel Anabolic Genes). She then worked as a Senior Scientist at the MRC Lifecourse Epidemiology Unit at the University of Southampton, before taking up an Arthritis Research UK Clinician Scientist Fellowship at the University of Bristol to study the molecular genetics of High Bone Mass.

In 2018, Celia founded the 'Sub-Saharan African MuSculOskeletal Network' (SAMSON; [www.theSAMSON.org](http://www.theSAMSON.org)), which she now co-directs. This network aims to build musculoskeletal research capacity across the region. Her research embedded within this network includes: (i) the IMVASK cohort study (The Impact of Vertical HIV infection on child and Adolescent Skeletal development in Zimbabwe), a Wellcome Funded collaboration with the LSHTM and Biomedical and Research Training Institute (BRTI) in Harare; (ii) 'VITamin D for AdoLescents with HIV to reduce musculoskeletal morbidity and ImmunopaThology (VITALITY): an individually randomised, double-blinded placebo-controlled trial' in Zimbabwe and Zambia which is EDCTP funded; (iii) Celia is PI on a Wellcome Trust Collaborator Award addressing 'Fractures in sub-Saharan Africa: Epidemiology, Economic impact and Ethnography', working with colleagues in The Gambia, Zimbabwe and South Africa; (iv) Celia is also PI of a GCRF funded study of Musculoskeletal disease during menopausal transition in the context of HIV infection in Zimbabwe and South Africa.

Celia's research, funded by the National Osteoporosis Society (2015-2018), has identified persistent (and growing) health inequalities in hip fracture incidence and outcomes. She is currently PI on the Versus Arthritis funded REDUCE Study, which addresses unwarranted variation in the delivery of hip fracture services in England and Wales (2019-2023).

Celia is an Honorary Associate Professor at the University of the Witwatersrand in Johannesburg. She chairs the National Osteoporosis Guideline Group in the UK and sits on the Royal College of Physicians Falls and Fragility Fracture Audit Programme Scientific and Publications Committee. She is a Fellow of the Royal College of Physicians of London.



## **Professor Kassim Javaid**



M Kassim Javaid is Associate Professor in Metabolic Bone Disease at the University of Oxford

Dr Javaid is an adult rheumatologist at the Oxford University Hospitals NHS trust and an Associate Professor in metabolic bone disease at the University of Oxford. He specializes in clinical and research of common and rare metabolic bone diseases. He is the clinical lead for Oxford Fracture Prevention Service and the national Fracture Liaison Service Audit for England and Wales run through the Royal College of Physicians. Internationally, he co-chairs the International Osteoporosis Foundation Capture the Fracture programme that has audited over 400 services globally. He is clinical lead for the Oxford Rare bone disease service for adults and the national 100,000 Genomes Clinical Interpretation partnership for musculoskeletal conditions. His research interests include epidemiology of musculoskeletal diseases with a focus on rare diseases of the bone, vitamin D and secondary fracture prevention.

## **Dr Richard Keen**



Dr Keen graduated from St Mary's Hospital Medical School in 1988. After his general professional training in London and Sheffield, he started specialist training in Rheumatology at Northwick Park. He then moved to work with Professor Tim Spector at St Thomas' Hospital, London. He was awarded a Clinical Research Fellowship by Artitis Research UK, and completed his PhD examining the genetic epidemiology of postmenopausal osteoporosis.

He was appointed to the Royal National Orthopaedic Hospital in 1999. Dr Keen is Director of the Metabolic Bone Disease Centre and heads a team involved in the clinical care of patients with a wide range of bone diseases.

## **Dr Nicola Peel**



Dr Nicola Peel DM FRCP is a Consultant and Honorary Senior Lecturer at Sheffield Teaching Hospitals NHS Foundation Trust and a Visiting Professor at the University of Derby

I undertook my undergraduate medical training and subsequent Doctorate of Medicine at the University of Nottingham Medical School and after completion of training in rheumatology was appointed as a Consultant in the Sheffield Metabolic Bone Centre in 2000.

My academic interests include evaluation and clinical application of tests used in the diagnosis and management of bone disease. As clinical lead for the Sheffield service between 2002 and 2019 I ensured close collaboration with the Academic Unit of Bone Metabolism and was instrumental in developing and evaluating innovative models of service delivery. These include a one-stop fracture risk assessment service incorporating vertebral fracture assessment scans and the use of biochemical markers of bone turnover to monitor osteoporosis treatment in primary care.

I am a trustee of the Royal Osteoporosis Society and currently chair the ROS Clinical Committee.



## **Professor Michael Stone**



Professor Michael Stone BA, MBBS, DM, FRCP is a Consultant Physician in Cardiff and lead clinician for adult Metabolic Bone Disease.

His research interests include: the bisphosphonate acute phase response, bone loss in patients with lung disease, the use of high dose vitamin D in the frail elderly and treatment induced bone loss in prostate cancer.

He is a member of the UK National Osteoporosis Guidelines Group, Clinical and Scientific Committee of the Royal Osteoporosis Society and Royal College of Physicians Fracture Liaison Service Database Advisory Group. He is Visiting Professor to the School of Health at the University of South Wales.



## **Professor Tash Masud**



Professor Masud trained at the University of Oxford and St Bartholomew's Hospital, London. After postgraduate training in London and Newcastle-Upon-Tyne and a Research Fellow post in St Thomas' Hospital London, he took up a position of Consultant Physician in General and Geriatric Medicine at Nottingham in 1994. He has a research and clinical interest in osteoporosis and falls and has published widely in these areas. He heads the Clinical Gerontology Research Unit at Nottingham University Hospitals NHS Trust. He has previously been a scientific advisor to the National Osteoporosis Society and is the main organiser of the annual International Conference on Falls and Postural Stability. He has Honorary/Visiting Professorships at the Universities of Nottingham, Derby and Southern Denmark and has also served as the Clinical Sub-Dean at the University of Nottingham Medical School. He is a recent Past President of the British Geriatrics Society (BGS), the former President of the European Union of Medical Specialists (UEMS)-Geriatric Medicine Section, the current Secretary of the Clinical Section of the International Association of Geriatrics and Gerontology (IAGG)-European Region, and a member of the executive council of the European Geriatric Medicine Society (EuGMS).





## **Professor Jon Tobias**



Jonathan Tobias is Professor of Rheumatology at the University of Bristol, UK, and Consultant Rheumatologist at North Bristol Trust.

Following undergraduate studies in medicine at Cambridge University and London University from where he qualified in 1984, he completed MD and PhD theses in bone biology in 1990 and 1994, at St George's Hospital in London.

He was appointed as Consultant Senior Lecturer at the University of Bristol in 1995, and is currently co-director of the University of Bristol Musculoskeletal Research Unit. He manages a diverse research programme into the causes and treatment of musculoskeletal conditions, particularly osteoporosis, with 270 publications (including 205 peer-reviewed original research papers) in this field. He also has extensive clinical experience in treating patients with osteoporosis, and in running DXA-based osteoporosis diagnostic services.

He has served on the editorial boards of *Calcified Tissue International*, *Journal of Bone and Mineral Research*, and *Rheumatology*, the Heberden committee of the British Society for Rheumatology, the research committee of Arthritis Research UK, NICE appraisal and guideline committees, and the Medicines for Women's Health Expert Advisory Group of the Medicines and Healthcare Products Regulatory Agency. He is past President of the UK Bone Research Society (2010-12).

He is currently Specialty Chief Editor of the Bone Research section of *Frontiers in Endocrinology*, and chair of the Royal Osteoporosis Society Research Grants Advisory Panel.

**Dr David Wilson**



David Wilson MBBS BSc MFSEM FBIR FRCP FRCR trained at Kings College Hospital London and the Oxford Radcliffe Hospitals. His primary interest is in the application of modern imaging techniques to disorders of the locomotor system and spine intervention. He was a pioneer in the development of diagnostic ultrasound for musculoskeletal disorders in the 1980s. He has 30 years of experience in vertebroplasty and is the author of publications on multicentre controlled trials on the treatment of insufficiency fractures. He has developed ultrasound/MRI fusion imaging for spinal interventional procedures.

He has established innovative training courses in the UK in musculoskeletal ultrasound in Oxford and Bath. He is the Editor of a leading textbook on MSK imaging. As a former President of the British Society of Skeletal Radiologist and a previous Medical Director of the Nuffield Orthopaedic Centre he has wide clinical and research experience. He has 162 publications with 4842 citations, H index 30.

He has been a member of the BIR since 1982. He was Commissioning Editor of the BJR and then Deputy Editor. He was Vice President (External Affairs) from 2012-2014 and President of the BIR (2014-2016). He is the musculoskeletal editor for *Acta Scandinavica Radiologica*.

For the last three years he has spent one day a week working in the Musculoskeletal Bone Research Laboratory at Imperial College London where he is undertaking a doctorate in research.