



Expertise in Musculoskeletal Health



**A springboard
to success for
leading world
class health
professionals**

Welcome

The Department of Health Professions is located in the Faculty of Health, Psychology and Social Care, at Manchester Metropolitan University. Within the Department, The Manchester School of Physiotherapy is a large and well-established academic area; with 34 staff, over 40% of whom have PhDs. One of the key academic areas of strength that we have developed is musculoskeletal (MSK) management and rehabilitation. In the last decade, musculoskeletal disorders have increased and are now recognised as the greatest cause of disability among EU member states and are the second greatest cause of disability worldwide (Institute for Health Metrics and Evaluation 2013). In 2011/12 £3.8million was spent by the NHS on treating musculoskeletal problems (Department of Health 2013).

There is a wealth of clinical knowledge and research supervision experience within the department as we have successfully supervised over 40 Doctoral level awards to completion and we are regularly invited to examine at Masters and Doctoral level at a wide variety of universities nationally and internationally. Our research and academic teams have strong links with clinical practice to ensure that the research we conduct and teaching we deliver is relevant to the real world of health care and meets the needs of patients and service users.

Manchester Metropolitan University was the UK's biggest riser in the Complete University Guide 2017 rankings. The University climbed 16 places, which was the largest rise of any university and now ranks Manchester Met as one of the best in the North West region of the UK. In the same year Manchester Met was also recognised by the Times Higher as being one of the world's best universities under 50 years old.







Teaching and Learning

MSK features heavily in our Postgraduate Taught Provision. We deliver a range of short courses, master classes and Masters Level units that cover acute and chronic MSK health issues, physical activity and sports related topics.

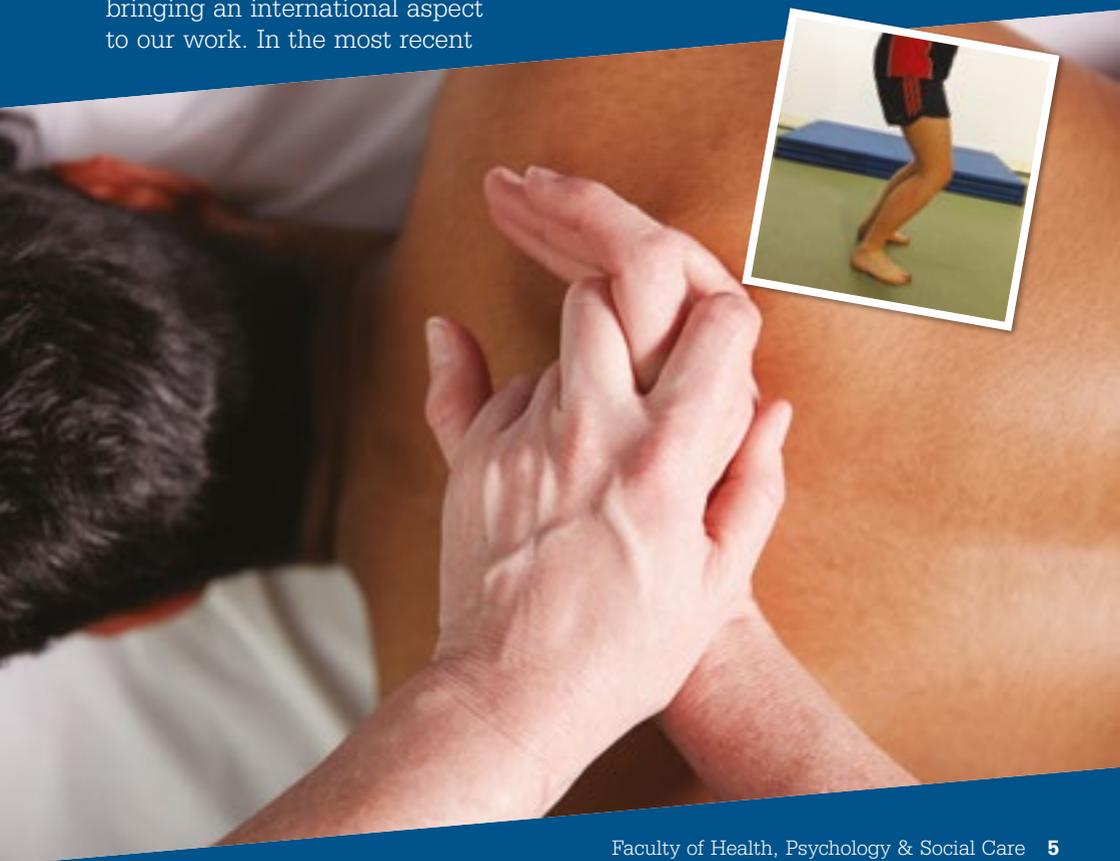
For more information about our CPD provision, please visit the following website <http://www2.mmu.ac.uk/hpsc/courses/cpd/>

Our Advanced Physiotherapy Masters Programme can be studied part time or full time. This Masters programme is flexible and has an MSK and Manual Therapy pathway. The Manual Therapy Pathway is an approved route to membership of the Musculoskeletal Association of Chartered Physiotherapists (MACP). For more information, please visit our website <http://www2.mmu.ac.uk/study/postgraduate/taught/2016/13369/>

Research and Knowledge Exchange

The Department is home to an active and thriving postgraduate musculoskeletal (MSK) research student community, offering postgraduate supervision at both Master's and Doctoral level. Currently we have over 100 Masters students and 15 PhD students completing their research on a full or part time basis. Our research community is an eclectic mix of new and experienced researchers, practitioners and experts from a wide range of countries, bringing an international aspect to our work. In the most recent

national review of research quality in the UK (Research Excellence Framework (REF) 2014), Allied Health Professions research at MMU was placed 12/94 in the UK. Over 60% of our outputs were deemed to be internationally excellent or world leading and 100% of our impact was graded as internationally excellent or world leading. We are currently conducting a variety of projects supported by competitive grant funding totalling in excess of £7m.



MSK Research Leadership

MSK Research is currently being led in the department by Professors James Selfe and Michael Callaghan

James Selfe DSc, PhD, MA, GDPhys, FCSP

James graduated with a distinction in his Diploma of Physiotherapy from Salford School of Physiotherapy in 1984, was awarded a Master's Degree in Health Research from Lancaster University in 1995 and gained his PhD in 2000 from the University of Bradford for a thesis titled "Outcome measures for patellofemoral dysfunction (an investigation of the validity, reliability and clinical sensitivity of four outcome measures for the patellofemoral joint)". In 2015 James was awarded a Doctor of Science (DSc) from the University of Central Lancashire for a thesis titled "Research in Musculoskeletal Physiotherapy. Providing evidence for practice" this was only the second award of a Higher Doctorate to Physiotherapist in the world. In 2008 James was honoured by the Chartered Society of Physiotherapy by being awarded a Fellowship for his outstanding contribution to musculoskeletal physiotherapy, particularly in the field of patellofemoral pain dysfunction. James has significantly contributed to the body of physiotherapy literature with over 250-refereed journal and conference papers and in addition, he has co-authored and contributed to 11 books. James expertise in musculoskeletal physiotherapy is much sought after, he has been invited to speak at, give



keynote lectures and conduct continuing professional development activities at over 180 events across the UK, Europe and Africa.

Michael Callaghan PhD, MPhil, GDPhys, MCSP

Michael qualified in 1983 at Salford School of Physiotherapy. He is a Clinical Specialist Physiotherapist in Emergency Medicine at Manchester Royal Infirmary where he heads a team of 5 physiotherapists in the Emergency Department. In the sports medicine context he has attended 5 Commonwealth Games and 5 Olympic Games in a variety of medical roles (including physiotherapist) and was physiotherapist to Everton Football Club, Wigan Rugby League Club and the Great Britain Cycling Team. He represented the British Cycling Federation at the British Olympic Association Medical Committee. In 2015, he was appointed as Head of Physical Therapies at Manchester United Football Club. His research degrees of MPhil awarded by Liverpool University and PhD at Manchester University focused on the patellofemoral joint. His other areas of research have been the assessment and rehabilitation of the lower limb. This involves the use of MMG, EMG, kinetic and kinematic gait analysis, and proprioceptive testing, isokinetic and isometric muscle testing and electrical stimulation to assess muscle inhibition. His work on patellofemoral pain has developed into functional joint and muscle evaluation and the use of both brain and knee MR imaging to monitor the effects of non-operative treatment for the knee such as taping and bracing.





Facilities & Equipment

Based in our new £139 million state of the art Brooks Building in Manchester, our physiotherapy team are part of a wider academic community, providing a diverse and inclusive teaching and research environment. The Brooks academic building is one of the most impressive of its kind, with spacious public areas on the ground floor and outstanding specialist facilities across all areas of health, psychology, social care and education. It supports a number of key environmental technologies and is designed to minimise environmental impact and enhance biodiversity, making it one of the greenest facilities in the UK. Our excellent facilities at Manchester Metropolitan University also include:

- Two gait analysis laboratories incorporating state of the art 3D

motion capture systems and multiple force plate analysis available at our Manchester campus

- Weight-bearing MRI
- Wireless surface and intramuscular EMG
- High frame-rate ultrasound scanners
- Isokinetic dynamometers
- Single fibre mechanics and exercise training facilities
- High fidelity simulation facilities
- The MMU clinic

The gait lab based at the Brooks building is a facility for pre and post registration professionals. It also offers a clinical service to people attending our clinic and local health organisations. The academic lead for this facility is Glenis Donaldson, g.donaldson@mmu.ac.uk

The Clinic at MMU

The Clinic at Manchester Metropolitan University is a high quality facility with a wide range of equipment. The team at the clinic have a wealth of experience in assessing and treating a range of problems. It offers treatment for sports injuries and headaches; MSK and neurological rehabilitation and Sports and Shiatsu massage. At Manchester Met we also have a satellite clinic at the Platt Lane Sports Complex in Manchester and we have links to the Manchester Institute of Health and Performance (MIHP), home to the English Institute of Sport.

Our clinics are managed by

Dr Chris McCarthy
PhD, PGD Physio,
PGD Biomech,
PGD Manip Ther,
FCSP, FMACP



Dr Chris McCarthy is a Consultant Physiotherapist and Clinical Fellow. After qualifying as a Physiotherapist in 1989 he undertook post-graduate training in Biomechanics and Manipulative therapy at Strathclyde and Coventry Universities before undertaking a PhD degree in

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rehabilitation within the faculty of Medicine at Manchester University.

He was awarded a “Young Investigator of the Year” award in 2001, for his PhD studies, by the British Society of Rheumatologists. Following Post-doctoral studies, investigating the sub-classification of non-specific low back pain, he became an Assistant Professor of Rehabilitation within the Clinical Trials Unit of the Medical School of Warwick University attracting over a million pound of funding in two years.

After working as a Consultant Physiotherapist at Imperial College London, as a Consultant Physiotherapist, he has recently taken up a post as Clinical Fellow at Manchester Metropolitan University.

He has taught internationally on Manual Therapy, specifically on Combined Movement Theory, and lectures on five of the Masters courses in Manual Therapy in the UK. He is a member of the international advisory board for Manual Therapy journal and regularly reviews and publishes papers in the academic field of Manual Therapy. He was recently awarded a Fellowship of the MACP for advances in Manual Therapy in 2010 and a Fellowship of the Chartered Society of Physiotherapy in 2011