Personal Statement

Professor Rowe obtained a BSc Hons in Mechanical Engineering from the University of Birmingham (1982) followed by a PhD in Bioengineering from the University of Strathclyde (1990). For his PhD work he was awarded the European Society of Biomechanics, Clinical Biomechanics Award in 1987. After completing his PhD he held various academic appointments at Queen Margaret University, Edinburgh, UK. where he pursued his own research and was also responsible for research development within the School of Health Sciences. He re-joined the Biomedical Engineering Department at Strathclyde in September 2005 as part of the HealthQWest research consortium for which he is Head of the Function for Living Research Programme. HealthQWest achieved the highest AHP rating in the 2008 Research Assessment Exercise. Professor Philip Rowes main research areas lie in Clinical movement analysis, functional analysis, biomechanics of the human body in motion, rehabilitation engineering, rehabilitation technology, rehabilitation robotics and robotic surgery especially applied in orthopaedics and stroke. His research has helped elucidate the clinical outcomes of various musculoskeletal and neurological disorders such as Knee replacement surgery, Hip replacement surgery, Hip fractures, back pain, Hyper-mobility syndrome, Patello-femoral pain syndrome, stroke and aging. He is especially interested in the application of science and engineering methods to patient treatment and also their use to quantify and analyse the clinical effects of rehabilitation services. Professor Rowe has been a leading proponent of the WHO ICF as a model for patient care and treatment evaluation and his recent research and publications make use of this model. Professor Rowe considers that for service users to maximise their recovery from illness rehabilitation should encompass the physical, psychological, nutritional and social factors effecting function simultaneously and should assist the patient travel from the acute setting through rehabilitation to self care or care in the community. Professor Rowe is Research Director for the highly successful department of Biomedical Engineering which was ranked 1st in Scotland and 4th in the UK in the 2014 Research Excellence Framework with 90% of our research rated world class (4*) or internationally leading (3*).

Research output

Treadmill training augmented with real-time visualisation feedback and function electrical stimulation for gait rehabilitation after stroke: a feasibility study

Community cycling exercise for stroke survivors is feasible and acceptable

Phase 3 diagnostic evaluation of a smart tablet serious game to identify autism in 760 children 3-5 years old in Sweden and the United Kingdom

Automation enhancement and accuracy investigation of a portable single-camera gait analysis system

5 year results of a randomised trial of robotic arm assisted vs manual unicompartmental knee arthroplasty

An Introduction to Human Movement and Biomechanics

Health costs and efficiencies of patient-specific and single-use instrumentation in total knee arthroplasty: a randomised controlled trial

Kinematics of prospective motor control in autism spectrum disorder: an exploratory multilevel modelling analysis of goal-directed finger movements during smart-tablet gameplay

The movements of children with autism can be faster or slower than their typically developing counterparts, depending on the task

Robotic arm-assisted bi-unicompartmental knee arthroplasty maintains natural knee joint line orientation compared to total knee arthroplasty: a prospective, randomised controlled trial

Routine clinical motion analysis: comparison of a bespoke real-time protocol to current clinical methods

A diagnostic evaluation of tablet serious games for the assessment of autism spectrum disorder in young children

Being misunderstood in autism: the role of motor disruption in expressive communication, implications for satisfying social relations

A five-year follow up of gait in robotic assisted vs conventional unicompartmental knee arthroplasty

5-year gait analysis as a secondary outcome of a fixed bearing robotic assisted versus mobile bearing manual UKA RCT

Gait stability in response to platform, belt and sensory perturbations in young and older adults

Health economics of patient-specific and single-use instrumentation in total knee arthroplasty

Disruption to motor intentions in children with autism: kinematic evidence for brainstem timing errors

A comparison of gait one year post operation in an RCT of robotic UKA versus traditional Oxford UKA

On the development of a new flexible drill for orthopedic surgery and the forces experienced on drilling bovine bone
Robotic-arm-assisted vs conventional unicompartmental knee arthroplasty. The 2-year clinical outcomes of a randomized controlled trial

Adoption of stroke rehabilitation technologies by the user community
Kerr, A. & Rowe, P. J., 30 Nov 2017.

Robotic-arm assisted versus conventional unicompartmental knee arthroplasty: exploratory secondary analysis of a Randomised Controlled Trial

Gait variability and motor control in patients with knee osteoarthritis as measured by the uncontrolled manifold technique

A novel approach of intra-operative shape acquisition of the tibio-femoral joints using 3D laser scanning for computer assisted orthopaedic surgery

Sit to stand activity during stroke rehabilitation

Development of a motion analysis protocol for use in routine clinical care

Effects of visual feedback on orthopaedic rehabilitation

Accurate 3D reconstruction of bony surfaces using ultrasonic synthetic aperture techniques for robotic knee arthroplasty

Gait perturbations to discriminate between older adults with and without history of falls
Roeles, S., Rowe, P., Brujin, S., Childs, C., Steenbrink, F. & Pijnappels, M., 1 Jun 2017. 2 p.

Characterisation of a smartphone and sensor-based system for monitoring shoulder range of motion during daily activities
Cameron, S., Giardini, M. E. & Rowe, P. J., 24 May 2017.

From lab to clinic: towards a virtual reality platform for routine clinical rehabilitation

Is the instrumented-pointer method of calibrating anatomical landmarks in 3D motion analysis reliable?

Investigation of synthetic aperture methods in ultrasound surface imaging using elementary surface types

Changes in the physical activity of acute stroke survivors between inpatient and community living with early supported discharge: an observational cohort study
Towards Upright Pedalling to drive recovery in people who cannot walk in the first weeks after stroke: movement patterns and measurement

Advanced tuning of below knee prosthesis using the MOTEK CAREN system

The development and implementation of a portable balance platform for re-education postural stability in older adults
Tarfali, G., Roeles, S., Childs, C. & Rowe, P., 16 Sep 2016. 2 p.

Development of a bespoke movement analysis protocol for routine clinical use in orthopaedics
Millar, L., Murphy, A. J. & Rowe, P. J., 5 Sep 2016, p. 46-47. 2 p.

Thermal damage done to bone by burring and sawing with and without irrigation in knee arthroplasty

Feasibility of a perturbation protocol to quantify dynamic stability

Improved accuracy of component positioning with robotic assisted unicompartmental knee arthroplasty: data from a prospective, randomised controlled study

Human upper limb motion analysis for post-stroke impairment assessment using video analytics

Functional strength training and movement performance therapy produce analogous improvement in sit-to-stand early after stroke: early-phase randomised controlled trial

Does stroke location predict walk speed response to gait rehabilitation?

Autonomous gait event detection with portable single-camera gait kinematics analysis system

A randomized controlled evaluation of the efficacy of an ankle-foot cast on walking recovery early after stroke: SWIFT cast trial

The immediate effects of fitting and tuning solid ankle-foot orthoses in early stroke rehabilitation

Comparison of a bespoke biomechanical model to the industry gold standard for calculation of lower limb kinematics during walking
Measurement and reconstruction of the geometry of the distal femur using robotic 3D ultrasound

Comparison of biomechanical parameters of healthy adult gait using three marker models
Samala, M., Childs, C., McGarry, A. & Rowe, P. J., 12 Jul 2015.

Development of a bespoke biomechanical model for real-time calculation of lower limb kinematics
Clarke, L., Murphy, A. J. & Rowe, P., 12 Jul 2015, p. 530-531. 2 p.

Development of a bespoke motion capture system allowing real-time biofeedback of movement for use in the clinical environment
Clarke, L., Murphy, A. J. & Rowe, P., 12 Jul 2015, p. AS-0125. 2 p.

Is treadmill walking with virtual reality an acceptable and plausible training modality for stroke survivors?
Kerr, A., Dryden, J., Childs, C., Grealy, M., Murphy, A. & Rowe, P., 12 Jul 2015. 2 p.

Kinect-based lower limb motion analysis

Measurement of the geometry of the distal femur using robotic 3D ultrasound

The use of visual feedback in upper limb stroke rehabilitation: a pilot randomized controlled trial

Validation of a CT-free navigation system for the measurement of native acetabular alignment

Electromagnetic navigation in total knee arthroplasty—a single center, randomized, single-blind study comparing the results with conventional techniques

Analysis of gait within the uncontrolled manifold hypothesis: stabilisation of the centre of mass during gait

High degree of accuracy of a novel image free handheld robot for unicompartmental knee arthroplasty in a cadaveric study

Tensile properties of the transverse carpal ligament and carpal tunnel complex

Upper limb movement analysis via marker tracking with a single-camera system

Intra-operative 3D laser scanning and best fit alignment for computer assisted orthopaedic surgery
Kinematic walking assessment comparing robotic-assisted and conventional unicompartmental knee arthroplasty

The accuracy of a robotically-controlled freehand sculpting tool for unicondylar knee arthroplasty

Arm movement analysis via marker tracking with a single-camera system

A virtual avatar to facilitate gait rehabilitation post-stroke

Angle discrepancy from optical tracking systems

Assessing the effect of using biomechanics visualisation software for ankle-foot orthosis tuning in early stroke

The development and validation of an augmented video based portable system

Visualizing rehabilitation in the home for high fall-risk older adults: a case study

Investigating the feasibility of using visual feedback of biomechanical movement performance in sub-acute upper limb stroke rehabilitation

Measuring fluency: comparison of impaired and unimpaired groups

Visualisation of knee replacement rehabilitation exercises in the home

Accuracy of a freehand sculpting tool for unicondylar knee replacement

Research synthesis of recommended acetabular cup orientations for total hip arthroplasty

Multiple marker tracking in a single-camera system for gait analysis
Visualisation of total knee replacement rehabilitation exercises in the home

The use of biomechanical visualisation in neurorehabilitation and its effect on ankle-foot orthosis (AFO) tuning in stroke

Visualisation of total knee replacement rehabilitation exercises in the home

Visualizing rehabilitation in the home for high fall-risk older adults: a case study

The functional demand (FD) placed on the knee and hip of older adults during everyday activities

A virtual avatar to facilitate gait rehabilitation post-stroke

Assessing the effect of using biomechanics visualisation software for ankle-foot orthosis tuning in early stroke

Investigating the feasibility of using visual feedback of biomechanical movement performance in sub-acute upper limb stroke rehabilitation

Time analysis of MAKO RIO UKA procedures in comparision with the Oxford UKA

System dependent differences in the accuracy of gait kinematics: a comparison of a modern 12 camera Vicon Nexus system with an older 8 camera Vicon 612

Research synthesis of recommended acetabular cup orientations for total hip arthroplasty

The accuracy of a robotically controlled freehand sculpting tool for unicompartmental knee replacement

A pilot study to determine the tensile properties of the transverse carpal ligament

Biomechanical analysis of the sit-to-stand movement following knee replacement: a cross-sectional observational study

Visualisation to aid the interpretation of 3D gait data in AFO tuning for stroke

The evaluation of an inexpensive, 2D, video based gait assessment system for clinical use
Automated laser registration and quantitative assessment of articular cartilage for computer assisted orthopaedic surgery

Incorporating objective movement analysis in community stroke rehabilitation: commentary

Meaningful visual feedback for upper and lower limb rehabilitation early after stroke

Measuring movement fluency during the sit-to-walk task

Visualisation in AFO tuning for stroke patients: rare FZ profiles

Falls prevention advice and visual feedback to those at risk of falling: study protocol for a pilot randomized controlled trial

Effect of ankle-foot orthoses on gait biomechanics of early stroke patients

Examination of anticipated chemical shift and shape distortion effect on materials commonly used in prosthetic socket fabrication when measured using MRI: a validation study

The effect of electromagnetic navigation in total knee arthroplasty on knee kinematics during functional activities using flexible electrogoniometry

Affordable clinical gait analysis: an assessment of the marker tracking accuracy of a new low-cost optical 3D motion analysis system

Hands-off and hands-on casting consistency of amputee below knee sockets using magnetic resonance imaging

Augmented visual feedback of movement performance to enhance walking recovery after stroke: study protocol for a pilot randomised controlled trial

Developing visualisation software for rehabilitation: investigating the requirements of patients, therapists and the rehabilitation process

The relationships between muscle strength, biomechanical functional moments and health-related quality of life in non-elite older adults
Predictors of upper limb recovery after stroke: a systematic review and meta analysis

Accuracy verification of magnetic resonance imaging (MRI) technology for lower-limb prosthetic research: utilising animal soft tissue specimen and common socket casting materials

An investigation of the association between grip strength and hip and knee joint moments in older adults

Biomechanical motion analysis in the clinical environment: the dawn of a new era?

Clinical improvements with electromagnetic navigation versus conventional total knee arthroplasty

Innovating technology for use in rehabilitation

Pain intensity and quality of life perception in children with hypermobility syndrome

Technical validation of the accuracy of measurement of pelvic planes and angles with a navigation system

The SWIFT Cast trial protocol: a randomized controlled evaluation of the efficacy of an ankle-foot cast on walking recovery early after stroke and the neural-biomechanical correlates of response

Visualisation to enhance biomechanical tuning of ankle-foot orthoses (AFOs) in stroke: study protocol for a randomised controlled trial

Intra- and inter- rater reliability measurements of kinematic and temporo-spatial parameters of gait using a simple video technique

The biomechanical functional demand placed on knee and hip muscles of older adults during stair ascent and descent

A changing stroke rehabilitation environment: implications for upper limb interventions

A need for meaningful visual feedback of lower extremity function after stroke
A purpose-built dynamometer to objectively measure static and dynamic knee torque

Improving Independence in the community for stroke survivors: the role of biomechanics visualisation in ankle-foot orthosis tuning

Clinical efficacy and prognostic indicators for lower limb pedalling exercise early after stroke: study protocol for a pilot randomised controlled trial
Hancock, N. J., Shepstone, L., Rowe, P., Myint, P. K. & Pomeroy, V., 7 Mar 2011, In : Trials. 12, 68

Gait kinematics and passive knee joint range of motion in children with hypermobility syndrome

Gait and trunk movement patterns of low back pain patients and healthy volunteers during supported and conventional treadmill walking

Gait biomechanics for all

Visualisation of biomechanical data to assist therapeutic rehabilitation

Does Navigated Total Knee Replacement Lead to an Improved Functional Outcome?

Effects of supported and normal treadmill walking on healthy middle-aged spines

Innovation in visualisation of biomechanical data to assist inclusive therapeutic rehabilitation: Scotland/Japan GBSF discussions

Promoting independence by involving users in rehabilitation through dynamic visualisation of biomechanical data

Development and validation of a user-friendly data logger (SUDALS) for use with flexible electrogoniometers to measure joint movement in clinical trials

Effect of ageing on isometric strength through joint range at knee and hip joints in three age groups of older adults

Development of Strathclyde University data logging system (Suddals) for use with flexible electrogoniometers
Assessment of ascending and descending stairs: how many stairs are required?

Disability in patients with chronic patellofemoral pain syndrome: a randomised controlled trial of VMO selective training versus general quadriceps strengthening

Pain is not associated with activity limitation and generalized joint laxity in children with hypermobility syndrome

Proprioception and muscle torque deficits in children with hypermobility syndrome

A simple clinical method of recording knee kinematics during functional activity using flexible electrogoniometry and the Strathclyde University Data Logging System (SUDALS) for use in multi-centre RCTs of TKA
Padmanaabhan Indra Mohan, V. & Rowe, P. J., 2009.

Concurrent validity and test-retest reliability of the Polhemus Liberty for the measurement of spinal range
Kaliarntas, K., Ugbolue, U. C., Riches, P. E. & Rowe, P. J., 2009.

Development of Strathclyde University Data Logging System (SUDALS) for use with flexible electrogoniometers
Indra Mohan, V. P., Valsan, G. & Rowe, P. J., 2009.

Effectiveness of interventions for upper limb recovery after stroke: a systematic review

Functional assessment to compare conventional and computer navigated Total Knee Arthroplasty

How do implant design and gender effect the outcome of total knee arthroplasty?

Objective physical activity before and one year after total knee arthroplasty

The development of a device to objectively measure knee joint stiffness

Towards phase III, multi-centred RCTs of functional outcome of TKA using flexible electro-goniometry : the challenge for the next decade
Rowe, P. J., 2009.

Validation of the activpal in the health promotion context

Between-day repeatability of knee kinematics during functional tasks recorded using flexible electrogoniometry

Physical activity and quality of life: a study of a lower-limb amputee population
Repeatability of joint proprioception and muscle torque assessment in healthy children and in children diagnosed with hypermobility syndrome

Physical activity and quality of life: a study of a lower limb amputee population

Pain and quality of life perception in children with hypermobility syndrome

A prospective randomised double-blind study of functional outcome and range of flexion following total knee replacement with the NexGen standard and high flexion components

Lack of correlation between knee joint kinaesthesia and position sense tests in children with hypermobility syndrome

Pain and quality of life perception in children with hypermobility syndrome

Predictors of upper limb recovery following stroke: a systematic review

Preoperative predictors of knee range of motion during stair walking after total knee replacement

Which pre-operative factors predict knee range of motion during stair walking after total knee arthroplasty?

Knee kinematics in functional activities seven years after total knee arthroplasty

Towards a design tool for visualizing the functional demand placed on older adults by everyday living tasks

An electromyographical study to investigate the effects of patellar taping on the vastus medialis/vastus lateralis ratio in asymptomatic participants

Inclusive design tool based on psychological and biomechanical functional performance

InclusiveCAD: a software resource for designers
Neuromuscular impairments in children diagnosed with hypermobility syndrome: a preliminary study

The effect of patella resurfacing in total knee arthroplasty on functional range of movement measured by flexible electrogoniometry

Relations of fear, helplessness and negative coping with objective measures of knee function in patients listed for total knee replacement surgery

The influence of subject characteristics and joint kinematics on function and quality of life in patients with osteoarthritis prior to total knee replacement

How much range of motion of the knee do patients have after knee arthroplasty, is it related to preoperative range and do they use it during functional activity?

Randomised comparative trial to compare the functional outcome in the standard NexGen legacy knee replacement to the nexGen legacy flex knee replacement: preliminary results and comparison with an age matched control group

An investigation of the learning effect of healthy subjects during knee joint position sense assessment using a motorized device

Calculating and presenting biomechanical functional demand in older adults during activities of daily living

Characteristics of patients with osteoarthritis prior to total knee replacement

The effect of total knee arthroplasty on joint movement during functional activities and joint range of motion with particular regard to higher flexion users

An RCT of functional outcome up to two years following total knee arthroplasty with and without patella resurfacing

Strength changes in later life

Establishing the reliability of mobility milestones as an outcome measure for stroke

The development of an objective functional outcome measure for the evaluation of physiotherapy in stroke; a scoring system to quantify the movement patterns of stroke subjects derived from video reports
Movement studies to evaluate health technologies as part of a holistic assessment based on the WHO ICF

Ultrasound measurement of femoral anteversion and tibial torsion

Is the kinematics of functional human movement the future for the assessment of health technologies related to musculo-skeletal disease and orthopaedic rehabilitation?

Knee joint functional range of motion prior to and following total knee arthroplasty, measured using flexible electrogoniometry

The effect of independent practice of motor tasks by stroke patients: a pilot randomized controlled trial

Using movement studies to evaluate health technologies as part of a holistic assessment based on the WHO ICF dimensions of health

The reliability of four simple mobility milestones following stroke

An RCT to investigate the functional outcome following total knee replacement with or without patella resurfacing

Aspectos da mensuracao do movimento functional humano (Measurement issues in functional human movement)

Knee joint kinematics in gait and other functional activities two years after knee replacement: is the patients function normal

Lothian stroke outcome score a validity and reliability study

Measurement of rising to stand, standing and gait using a new quantified functional outcome measure

Measurement of sitting, sit to stand and descending stairs using a new quantified functional outcome measure to evaluate stroke

Movement of the Knee in osteoarthritis: the use of electrogoniometry to assess function

The effects of changing spinal stiffness on the forces applied by therapists when performing spinal mobilisations
The influence of age, gender, height and body mass on lumbar spinal range of motion measured using the isotrak

Validation of flexible goniometry as a measure of joint kinematics

Three-dimensional lumbar spinal kinematics: a study of range of movement in 100 healthy subjects aged 20 to 60+ years

Knee joint kinematics in gait and other functional activities measured using flexible electrogoniometry: how much knee
motion is sufficient for normal daily life?

What is balance?

A new system for the measurement of displacements of the human body with widespread applications in human
movement studies

Functional Human Movement: Measurement and Analysis

Mensuracao e analise do movimento functional humano o estado da arte (Measurement and analysis of functional human
movement - the state of the art)

Parametros de mensuracao (Measurement parameters)
Rowe, P. J., 19 Mar 1999, Movimento Functional Humano. p. 13 - 34

Sistemas de mensuracao (Measurement systems)

Symmetry of weight distribution during sitting and standing in young and elderly healthy subjects

The accuracy and sensitivity of three simple clinical measurements of walking speed

What forces do physiotherapists apply when performing spinal mobilisations?

Development of a low-cost video vector for the display of ground reaction forces during gait

Three dimensional, lumbar spinal kinematics during gait, following mild musculo-skeletal low back pain in nurses

Upper and lower trunk translations associated with stepping
The use of therapeutic electrical stimulation in the treatment of hemiplegic cerebral palsy

The Clinical Biomechanics Award 1988 Flexible goniometer computer system for the assessment of hip function

Projects

Additional Clinical trials manger costs for truck trial
Rowe, P.
Greater Glasgow NHS
14/12/16 → 30/04/19

An EPSRC Life Sciences Interface Doctoral Training Centre for Medical Devices | Adewumi, Abibat Abimbola
Rowe, P., Katebi, R. & Adewumi, A. A.
EPSRC (Engineering and Physical Sciences Research Council)
1/10/09 → 27/01/16

An EPSRC Life Sciences Interface Doctoral Training Centre for Medical Devices | Banger, Matthew
Rowe, P., Yue, H. & Banger, M.
EPSRC (Engineering and Physical Sciences Research Council)
1/10/09 → 7/06/18

An EPSRC Life Sciences Interface Doctoral Training Centre for Medical Devices | Connolly, Philip
Buis, A., Rowe, P. & Connolly, P.
EPSRC (Engineering and Physical Sciences Research Council)
1/10/08 → 22/03/18

An EPSRC Life Sciences Interface Doctoral Training Centre for Medical Devices | KANELLOS, Yiorgos
Black, R. A., Rowe, P. & KANELLOS, Y.
EPSRC (Engineering and Physical Sciences Research Council)
1/10/11 → 1/10/15

Autism Motor Deficit: Ecological Measures of Prospective Sensorimotor Timing
Delafield-Butt, J. & Rowe, P.
1/09/16 → 1/09/17

BTG- Cultural Learning in Mother-Infant Sensorimotor Projects: Computational analysis of shared action patterns
Delafield-Butt, J., Rowe, P., Murphy, A. J. & Negayama, K.
12/11/12 → 17/06/13

BTG: Development of a visually immersive gait training system for use in the walking rehabilitation of stroke survivors combining the scientific disciplines of biomechanics and motor learning
Kerr, A., Grealy, M., Stankovic, V., Murphy, A. J., Childs, C. & Rowe, P.
3/03/14 → 31/12/14

CRF research physio for MAKO bi UKA
Rowe, P.
NHS Greater Glasgow and Clyde
1/09/14 → 31/08/18

Centre for Excellence in Rehabilitation Research (Year 4)
Conway, B. A., MacGregor, S. & Rowe, P.
Scottish Executive - Health Dept
1/04/14 → 31/03/18
Clinical efficacy of an ankle-foot orthosis to improve walking recovery early after stroke and exploration of potential neural and biomechanical correlates of response. A Phase II trial
Rowe, P.
Medical Research Council
1/11/09 → 31/10/13

Developing Serious Games: A New Paradigm for Autism Research
Delafield-Butt, J., Banger, M. & Rowe, P.
Carnegie Trust for the Universities of Scotland
15/01/16 → 31/01/17

Doctoral Training Partnership (DTP 2016-2017 University of Strathclyde) | Chase, Karen
Kerr, A., Rowe, P. & Chase, K.
EPSRC (Engineering and Physical Sciences Research Council)
1/10/16 → 1/04/20

EPSRC Centre for Doctoral Training in Medical Devices and Health Technologies | Skivington, James
Rowe, P., Kerr, A. & Skivington, J.
EPSRC (Engineering and Physical Sciences Research Council)
1/09/13 → 20/02/18

Enablement study for AHP directorate SE
Rowe, P.
Scottish Executive - Health Dept
3/09/12 → 30/06/15

Feasibility of a randomised controlled trial of a community based, cycling exercise programme to improve physical and psychological outcomes in stroke survivors
Grealy, M., Kerr, A. & Rowe, P.
Chief Scientist's Office CSO
1/11/14 → 30/04/16

GLASGOW ROYAL KNEE PROJECT
Rowe, P.
Greater Glasgow & Clyde NHS Board
12/12/06 → 30/09/10

Human Performance Laboratory Manager with Glasgow CRF
Rowe, P.
Greater Glasgow & Clyde NHS Board
1/10/09 → 31/03/14

Human Performance Laboratory Manager with Glasgow CRF 2014
Rowe, P.
Greater Glasgow NHS
1/01/14 → 31/12/15

MAKO EME BI UKA VS Total knee trial
Rowe, P.
MRC (Medical Research Council)
1/11/14 → 30/04/19

MEDACTA sphere study
Riches, P. & Rowe, P.
University of Edinburgh
Mako Research collaboration
Rowe, P. & Riches, P.
MAKO Surgical Corp.
1/03/10 → 28/02/14

Mako trial 5 year followup
Rowe, P.
Stryker European Operations BV
1/11/16 → 31/12/17

Medical Devices Doctoral Training Centre Renewal / RS4559
EPSRC (Engineering and Physical Sciences Research Council)
1/10/08 → 31/03/18

Medical Devices Doctoral Training Centre Renewal | Kerr, William
Rowe, P., Piercs, G. & Kerr, W.
EPSRC (Engineering and Physical Sciences Research Council)
1/10/11 → 9/09/16

Osteoarthritis Technology NetworkPlus (OATech+): a multidisciplinary approach
Rowe, P.
EPSRC (Engineering and Physical Sciences Research Council)
1/10/16 → 30/09/20

Physical activity of stroke patients discharged with ESD
Kerr, A. & Rowe, P.
Chest, Heart and Stroke Scotland
1/04/13 → 31/12/14

Predictive Power of iPad Gameplay
Delafield-Butt, J. & Rowe, P.
Harimata Sp z.o.o.
1/05/17 → 31/10/19

Promoting Physical independence by involving users in rehabilitation through dynamic visualisations of movement data
Rowe, P., Bowers, R. & Jones, L.
Medical Research Council
5/01/10 → 31/10/13

Rehabilitation through dynamic visualisations of movement
Rowe, P.
EPSRC (Engineering and Physical Sciences Research Council)
1/10/12 → 30/09/15

SINO-UK Higher Education Research Partnerships For PhD Studies
Rowe, P., Black, R. A. & Yao, W.
Scottish Government
1/12/12 → 31/12/14

Technological platform for AHPs for AHP directorate SE
Rowe, P.
Scottish Executive - Health Dept
Technological platform for AHPs for AHP directorate SE | Gerards, Tom
Rowe, P., Kerr, A. & Gerards, T.
EPSRC (Engineering and Physical Sciences Research Council)
1/10/13 → 9/11/18

ACCESS: The feasibility of a cycling exercise programme for stroke survivors
Kerr, A., Grealy, M. & Rowe, P.

Truck 2 year follow-up and health economics
Rowe, P.
Stryker European Operations BV
1/05/19 → 30/04/22

Vicon TMA study
Rowe, P.
Vicon (UK) Limited
3/04/18 → 2/10/19

clinical investigation of the functional outcomes of high congruency versus low congruency knee bearings
Murphy, A. J., Riches, P. & Rowe, P.
Golden Jubilee National Hospital
1/10/14 → 30/09/17

falls project
Rowe, P.
Scottish Government
1/02/18 → 31/12/19

support cost for susan kelso PhD
Rowe, P.
Scottish Executive
14/01/19 → 7/01/21

Awards
An EPSRC Life Sciences Interface Doctoral Training Centre for Medical Devices | Adewumi, Abibat Abimbola
Rowe, P. & Katebi, R.
EPSRC (Engineering and Physical Sciences Research Council): £6,800.00
1/10/09 → 27/01/16