



HEALTH AND REHABILITATION SCIENCES RESEARCH INSTITUTE

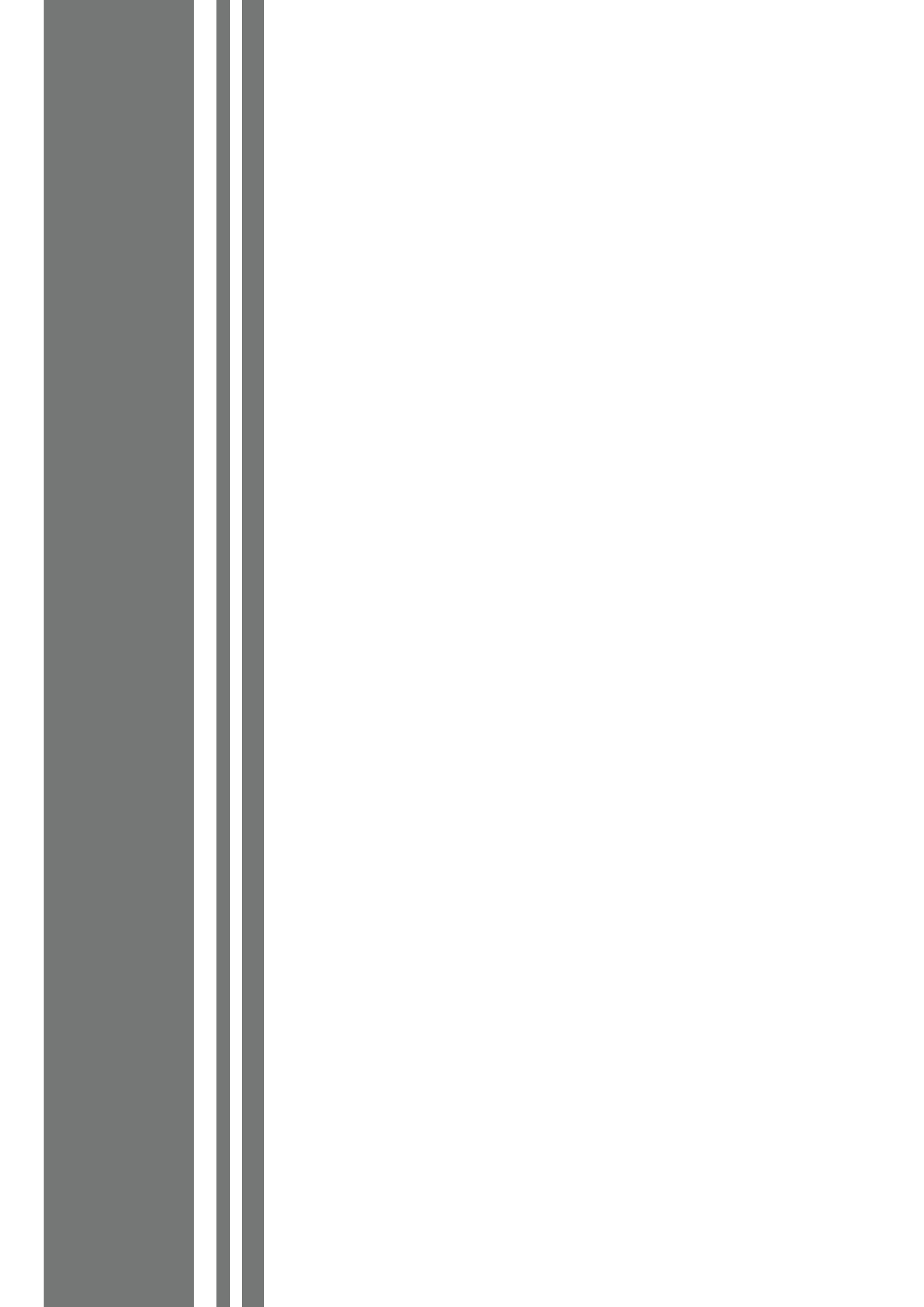
ANNUAL REPORT

1 AUGUST 2005 - 31 JULY 2006

**HEALTH AND REHABILITATION
SCIENCES
RESEARCH INSTITUTE**

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I. FOREWORD BY THE PRO-VICE CHANCELLOR (RESEARCH AND INNOVATION)



'Excellence, Innovation and Regional Engagement.' This is the phrase that summarizes the objectives of the University of Ulster and was derived through institution-wide consultation in the past academic year. All three parts are highly relevant to research and, together with the specific core objective to *'undertake excellent research in selected areas of activity'*, make it clear that research is, and will continue to be, a highly prized activity of the University.

When our 17 Research Institutes were established in the 2004-05 academic year those staff colleagues with research outputs of the highest quality were designated as members. Over time the number of members has increased, and the research resources of the University are increasingly focussed on meeting their needs. Additionally mechanisms have been put in place across all institutes to ensure the targeted support of colleagues at earlier stages in research careers who have the potential to emerge as significant researchers in their own right. Our Research Institutes will be supported to achieve longevity and establish a reputation amongst external peers, research funders and research users.

This first Annual Report documents a significant body of work much of which is internationally significant. As a reader, you may be a member of another research institution, perhaps seeking to collaborate with UU, or perhaps you are a graduate, or soon-to-be graduate, considering postgraduate research as a starting-point in your career, or perhaps you are involved in the private sector. You may even have been responsible for funding some of the research, or you are seeking solutions or expertise to solve a problem. Whatever your perspective, I hope that the material contained in this Annual Report will be useful and informative. The precise work underway in an institute may change with time, as will the Institute's membership, and annual reports will be one mechanism through which this evolution will be tracked.

I commend each colleague whose achievements are documented in this report for the excellence of her/his work and I assure every reader of the University's continuing commitment to supporting the achievement of excellence.

A handwritten signature in black ink that reads "Bernie Hannigan". The signature is written in a cursive, slightly slanted style.

Professor Bernie Hannigan

2. Foreword by the Research Institute Acting Director



I am delighted to provide details for this year's annual report and feel that it shows not only the development in capabilities of the most senior and experienced researchers within the Research Institute but also capacity building amongst academic staff in the school of Health Sciences and contract research staff in our Institute. It has been a particularly busy time for our Institute as building work on our new state of the art "Centre for Rehabilitation Research", completed during this summer months of this year. This centre of excellence is the first of its kind on the island of

Ireland, and with its exclusive focus on rehabilitation research, will be unique within the UK. The new centre will facilitate research at an international level, including significant collaboration with groups from outside Northern Ireland and will also significantly enhance the future capacity for such research in Ireland, by providing opportunities for research training at doctoral and postdoctoral level within rehabilitation.

This development represents the latest acknowledgement of the quality of research being carried out by the dedicated team who now form the Health and Rehabilitation Sciences Research Institute, which was formally launched on 1 October 2004. With its origins in the University's Health Sciences Research Group, this team now has an impressive track record in terms of publications, grant income and international collaborations. In the intervening 16 years, research within the Institute has achieved the highest ratings for "physiotherapy" research awarded at both the 1996 (3b) and 2001 (4) UK Research Assessment Exercises (RAE). Since 1989, the research focus has widened considerably, with the Institute now representing the largest multidisciplinary research grouping in the UK or Ireland within the Allied Health Professions (AHPs). It is hoped that the 2008 RAE return will showcase this increased range of research activity.

Currently, three key areas are recognised as being the primary focus for the Research Institute's activities. These are: rehabilitation interventions; healthcare technologies; and electrotherapy, complementary and alternative medicine. Our strategy for the next five years focuses upon elevating all of the projects contained within these three strands to an International level of excellence. We believe that this annual report reflects the excellent progress that we have made towards this goal.

A handwritten signature in black ink, appearing to read 'Suzanne McDonough'.

Professor Suzanne McDonough
Acting Director until March 2006
Health and Rehabilitation Sciences Research Institute

3. RESEARCH INSTITUTE MEMBERS

Surname	Forename	Title	Position
Core RI Members			
Bradley	Judy	Dr	Reader in Rehabilitation Sciences
Lennon-Fraser	Sheila	Dr	Senior Lecturer in Rehabilitation Sciences
Lowe-Strong	Andrea	Dr	Senior Lecturer in Rehabilitation Sciences
McDonough	Suzanne	Prof	Professor of Health & Rehabilitation Sciences
O'Neill	Brenda	Dr	Lecturer in Physiotherapy
Porter-Armstrong	Alison	Dr	Senior Lecturer in Rehabilitation Sciences
Walsh	Deirdre	Prof	Professor of Rehabilitation Research
Winder	John	Dr	Lecturer in Medical Imaging
Associate RI Members			
Crosbie	Jacque	Mrs	Lecturer in Physiotherapy
Gracey	Jackie	Dr	Lecturer in Physiotherapy
Hughes	Ciara	Dr	Lecturer in Clinical Physiology
Moran	Fidelma	Ms	Lecturer in Physiotherapy
Stinson	May	Dr	Lecturer in Occupational Therapy
Non – RI Staff			
Casey	Jackie	Mrs	Lecturer in Occupational Therapy
Duffy	Orla	Dr	Lecturer in Speech & Language Therapy
Dunwoody	Lynn	Dr	Lecturer in Health Psychology
Harte	Annette	Dr	Lecturer in Physiotherapy
Lagan	Katie	Dr	Lecturer in Podiatry
McClure	Patricia	Mrs	Lecturer in Occupational Therapy
McFadden	Sonya	Ms	Lecturer in Diagnostic Radiography
Murray	Bridget	Mrs	Lecturer in Occupational Therapy
Titterington	Jill	Dr	Associate Lecturer in Speech & Language Therapy
Research Staff			
Bleakley	Christopher	Dr	Contract Research Associate
Liddle	Diane	Dr	Contract Research Associate
Ma	Eunice	Mrs	Contract Research Associate
Moorhead	Anne	Dr	Contract Research Associate
Oliver	Louise	Mrs	Contract Research Associate
Scudds	Roger	Dr	Contract Research Fellow
Scudds	Rhonda	Dr	Contract Research Fellow

4. RESEARCH STUDENTS

Name	Adams, Catherine
Title of Project	Pressure ulcers: use and application of technologies to affect pressure care behaviour in high risk individuals
Grant Source	DEL UU
Country of Origin	Northern Ireland

Name	Aicken, Brenda
Title of Project	Obstructive Sleep Apnoea (OSA) in Northern Ireland
Grant Source	R&D Office Health Economics
Country of Origin	Northern Ireland

Name	Crawford, Jacqui
Title of Project	An investigation into mechanisms of Neurocardiogenic syncope
Grant Source	University of Ulster (member of staff)
Country of Origin	Northern Ireland

Name	Garcia Jalon, Elena
Title of Project	Fatigue in people with MS: clinical characteristics, assessment and energy conservation
Grant Source	Vice-Chancellor's Research Studentship
Country of Origin	Spain

Name	Hunter, Ruth
Title of Project	Transcutaneous electrical nerve stimulation versus electro acupuncture for the treatment of chronic low back pain (LBP)
Grant Source	DEL UU
Country of Origin	Northern Ireland

Name	Lecky, Allison
Title of Project	The optimisation of image quality and dose reduction in the CT scanning of the paranasal sinuses
Grant Source	Self Funded
Country of Origin	Northern Ireland

Name	Martin, Susan
Title of Project	Fit2Fly – development of a new flight assessment system for respiratory disease
Grant Source	R&D Office Fit2Fly Project
Country of Origin	Northern Ireland

Name	Workman, Adam
Title of Project	Imaging Performance assessment of digital X-ray imaging systems
Grant Source	Self Funded
Country of Origin	Northern Ireland

Name	Wright, Clare
Title of Project	Establishing best practice in paediatric seating and mobility assessment
Grant Source	Knowledge Transfer Partnership with Leckey Design
Country of Origin	Northern Ireland

5. RESEARCH PUBLICATIONS

BRADLEY

Elborn JS, Bradley JM. Diagnosing CF- Sweat, Blood and Years [Editorial] (De Boeck K, Wilschanski M, Castellani C, Tylor C, Cuppens H, Dodge J, Sinaasappel M. Cystic Fibrosis: Terminology and diagnostic algorithms). *Thorax*. 2006 Jul; 61 (7): 556-7.

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Bradley JM. Guest Editorial Respiratory Disease. *Respiratory Reviews* 2006; 11: 3-4.

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O'Neill B, Bradley JM, McKeivitt AM, Heaney L, Riley M and Mac Mahon J Short burst oxygen therapy in COPD: A patient Survey. *International Journal Clinical Practice* 2005; 59:751-753.

Patterson JE, Bradley JM, Hewitt O, Bradbury I, Elborn JS. Airway clearance in bronchiectasis: A randomised crossover trial of active cycle of breathing techniques (ACBT) versus Acapella. *Respiration*, 2005, 72, p239-242.

O'Neill B, Bradley JM. Ambulatory oxygen: key issues for prescription in adult respiratory conditions. *International Journal of Respiratory Care* 2005; 1(4)136-139.

Lavery K, Bradley JM, Elborn JS. Bronchiectasis: challenges in diagnosis and management. *International Journal of Respiratory Care*. 2005; 1(3)92-98.

Moran F, Bradley JM, Piper A, Elborn JS. Role of physiotherapy in Non Invasive ventilation for CF: A British Isle Survey. *International Journal Clinical Practice* 2005, 59, pp 453-455

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Pryor J, Maine E, Agent P, Bradley JM (2006). Physiotherapy in CF In: Progress in Respiratory Research in CF Editor: C.T. Bolliger, Cape Town, A. Bush, London, Co-Editors: E. Alton, London; J. Davies, London; U. Griesenbach, London, A. Jaffe, London.

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Kent L, Bradley JM, Döring G, Carryn S, Bradbury I, Elborn JS. Efficacy of Temocillin in CF: A retrospective pilot study. *Journal of Cystic Fibrosis* 2006 5 supplement 1: S24. European Cystic Fibrosis Conference 2006.

Patterson JE, Bradley JM, Bradbury I, Elborn JS. Airway clearance in the treatment of pulmonary infection in bronchiectasis: A randomised trial of Acapella versus 'normal airway clearance'. American Thoracic Society 2005.

Courtney JM, Bradley JM, McCaughan J, O'Connor T, Short C, Bredin C, Elborn J. Predictors of mortality in cystic fibrosis. *Pediatric Pulmonology* 2005 supplement 28:387. Presented at the American Cystic Fibrosis Conference 2005.

Lavery K, O'Neill B, Elborn JS, Reilly JS, Bradley JM. Self management in bronchiectasis. The patient's perspective. *Thorax* 60 supplement 2: 73. Presented at British Thoracic Society 2005.

CASEY

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Drysdale J, Casey J and Porter-Armstrong AP. The effectiveness of community living skills training in improving the functional ability of children with moderate learning disabilities. 14th Congress of World Federation of Occupational Therapists, Sydney Australia, July 2006.

CROSBIE

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Crosbie JH, Lennon S, McNeill MDJ, McDonough SM. The use of virtual reality in rehabilitation of the upper limb after stroke. *1st Scientific Conference of Northern Ireland Chest, Heart & Stroke Association (NICHSA), Belfast, 2005*.

DUFFY

Shiels CE, Duffy OM. Swimming Instructors: Vocal Health and Awareness. *Journal of Language and Communication Disorders, March 2006*.

DUNWOODY

Semple, C., Dunwoody, L., Sullivan, K. & Kernohan, G. (2005) Patients with cancer prefer individualised cognitive behavioural therapy. *European Journal of Cancer Care*. www.blackwell-synergy.com/doi/abs/10.1111/j.1365-2345.2005.0063.

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Malcomson, KS, Lowe-Strong AS & Dunwoody L. Psychosocial interventions in people with multiple sclerosis- A review. *Multiple Sclerosis Trust Ninth Annual Conference, Blackpool, 2005*.

Malcomson KS, Lowe-Strong AS, & Dunwoody L. Psychosocial issues surrounding multiple sclerosis- Individuals' experiences. *Physiotherapy Research Scientific Meeting, Nottingham, 2005*.

McBride, O, Dunwoody L & Lowe-Strong AS. The factor structure of the Silver Lining Questionnaire, *British Psychological Society Conference, Belfast, 2005*.

Semple C, Dunwoody L, Sullivan K, & Kernohan WG. Changes in pre-post operative needs for patients with head and neck cancer. Hurdles, hoops and horizons new. *International Palliative Care Conference, Stormont, April 2005*.

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Prue G, Rankin J, Cramp F, Allen J, Gracey J. Fatigue in gynaecological cancer patients: a pilot study. *Supportive Care in Cancer*, 2006, 14, 78-83.

HARTE

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LAGAN

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Hammond R, Lennon S, Walker M et al. Changing occupational therapy and physiotherapy guidelines through guidelines and audit. *Clinical Rehabilitation* 2005, 19, p.365-371.

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Wilson IM, Kerr DP, Lennon S. Low back pain in people with stoma: a focus group study. 2nd Annual Conference Rehabilitation and Therapy Research Society, Dublin 2006.

LIDDLE

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Liddle SD, Baxter GD, Gracey JH: A Focus Group Study into Patients' Experiences, Opinions & Expectations for the Clinical Management of Chronic Low Back Pain. Society for Back Pain Research, Warwick, November 2005.

LOWE-STRONG

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McCLURE

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Pensri P, Foster NE, Srisuk S, Baxter GD, McDonough SM. Physiotherapy management of low back pain in Thailand: a study of practice. *Physiotherapy Research International* 2005; 10(4): 201-12. PMID 16411615

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Ma, Minhua, M. McNeill, S. McDonough, J. Crosbie, and L. Oliver. Physics Fidelity of Virtual Reality in Motor Rehabilitation. In *Virtual: a Real Success: Proc. Of the 8th International Conference on Virtual Reality (VRIC—Laval Virtual 2006)*, S. Richir and E. Klinger (Eds.), 35-41, April, 2006.

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McFADDEN

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MORAN

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O'Neill B, Bradley JM, McKeivitt AM, Heaney L, Riley M and Mac Mahon J Short burst oxygen therapy in COPD: A patient Survey. *International Journal Clinical Practice* 2005; 59:751-753.

O'Neill B, Bradley JM. Ambulatory oxygen: key issues for prescription in adult respiratory conditions. *International Journal of Respiratory Care* 2005; 1(4)136-139

O'Neill B, Bradley JM, McKeivitt AM, Bradbury I, Riley M, Mac Mahon J. Do patients prescribed short burst oxygen therapy meet criteria for ambulatory oxygen? *International Journal of Clinical Practice* February 2006; 60 (2), p146-149

INVITED BOOK CHAPTERS

O'Neill B, Bradley JM, Moran F (2005). Exercise in the treatment of respiratory disease. In: Exercise Therapy: Prevention and Treatment of Disease. Editors: J Gormley & J.Hussey. Blackwell Publishing.

ABSTRACTS FROM CONFERENCE PAPERS

O'Neill B, Bradley JM, Bradbury I, MacMahon J. Twice versus once weekly supervision during pulmonary rehabilitation (PR) in COPD: 2- and 6-month follow up. *Irish Journal of Medical Science* 2005; 174 (4)9 (Suppl 3):12.

Lavery K, O'Neill B, Elborn S, Riley J, Bradley J. Obstacles to self-management in bronchiectasis: The patients' perspective. *Thorax* Dec 2005, 60 (Suppl 2): S73.

O'Neill B, Bradley, JM Riley M, MacMahon J. How many patients prescribed short burst oxygen meet the RCP criteria for ambulatory oxygen? *Association of Chartered Physiotherapists in Respiratory Care*. Oxford UK. Oct 2005.

PORTER-ARMSTRONG

Crawford SA, Strain B, Gregg B, Walsh DM, Porter-Armstrong AP. An investigation of the impact of the force sensing array pressure mapping system on the clinical judgement of occupational therapists. *Clinical Rehabilitation*, 2005, 19, 2, p224-231.

Crawford SA, Stinson MD, Walsh DM, Porter-Armstrong AP. Impact of sitting time on seat-interface pressure and on pressure mapping with multiple sclerosis patients. *Archives of Physical Medicine and Rehabilitation* 2005, 86, 6, p1221-1225.

Crawford SA, Walsh DM, Porter-Armstrong AP. Hammocking: the effect of cushion covers on interface pressure measurements. *Disability and Rehabilitation*, 2006, 1, 1-2, 141-144.

ABSTRACTS FROM CONFERENCE PAPERS

Alexander G, Casey J, McNamara L, Neville L, Porter-Armstrong AP and Wright C. Postural management and early intervention in seating: what's the evidence? *International Seating Symposium, Vancouver Canada, March 2006*.

Drysdale J, Casey J and Porter-Armstrong AP. The effectiveness of community living skills training in improving the functional ability of children with moderate learning disabilities. *14th Congress of World Federation of Occupational Therapists, Sydney Australia, July 2006*.

Harte D, Stinson MD and Porter-Armstrong AP. A randomised controlled trial to investigate the collaborative use of pressure and silicone in reducing hypertrophic scar formation after burns. *14th Congress of World Federation of Occupational Therapists, Sydney Australia, July 2006*.

STINSON

Crawford SA, Stinson MD, Walsh DM, Porter-Armstrong AP. Impact of sitting time on seat-interface pressure and on pressure mapping with multiple sclerosis patients. *Archives of Physical Medicine and Rehabilitation* 2005, 86, 6, p1221-1225.

ABSTRACT FROM CONFERENCE PAPER

Harte D, Stinson MD and Porter-Armstrong AP. A randomised controlled trial to investigate the collaborative use of pressure and silicone in reducing hypertrophic scar formation after burns. *14th Congress of World Federation of Occupational Therapists, Sydney Australia, July 2006*.

TITTERINGTON

Titterington, J., Henry, A., Kramer, M., Toner, J.G. and Stevenson, M. An investigation of weak syllable processing in deaf children with cochlear implants. *Clinical Linguistics and Phonetics* 2006; 20 (4), pp. 249-270.

WALSH

Crawford SA, Strain B, Gregg B, Walsh DM and Porter-Armstrong AP. An investigation of the impact of the force sensing array pressure mapping system on the clinical judgement of occupational therapists. *Clinical Rehabilitation* 2005; 19, 2, 224-231.

Crawford SA, Stinson, MD Walsh, DM and Porter-Armstrong AP. Impact of sitting time on seat-interface pressure and on pressure mapping with multiple sclerosis patients. *Archives of Physical Medicine and Rehabilitation* 2005; 86, 6, 1221-1225.

Crawford SA, Walsh DM and Porter-Armstrong AP. Hammocking: the effect of cushion covers on interface pressure measurements. *Disability and Rehabilitation: Assistive Technology* 2006; 1. 1-2, 141-144.

Walsh DM, Howe TE, Johnson MI, Sluka DA. Transcutaneous electrical nerve stimulation for acute pain. (Protocol) *Cochrane Database of Systematic Reviews* 2006, Issue 3. Article No: CD006142. DOI: 10.1002/14651858.CD006142.

WINDER

Winder RJ and Bibb R, Medical Rapid Prototyping Technologies: State of the Art and Current Limitations for Application in Oral and Maxillofacial Surgery. *International Journal of Oral and Maxillofacial Surgery*, 2005 63(7), p1009-1018.

McRitchie IN, Hart PM, Winder RJ. Image registration and subtraction for the visualization of change in diabetic retinopathy screening. *Computer Medical Imaging Graph.* 2006 Apr; 30(3):139-45.

Winder RJ, Glover W, Goltz T, Wulf J, McClure S, Cairns H, Elliott M. "Virtual unwrapping" of a mummified hand. *Studies in Health Technologies Informatics.* 2006; 119: 577-82.

Winder RJ, McKnight W, McRitchie I, Montgomery D, Wulf J. 3D surface accuracy of CAD generated skull defect contour. *Studies in Health Technologies Informatics.* 2006; 119: 574-6.

ABSTRACTS FROM CONFERENCE PAPERS

McFadden SL, D'Helft C, Hughes C, McGee A, L Rainford, Brennan P, Bradbury I, Winder RJ. A Prospective study of radiation dose in paediatric interventional cardiology: Preliminary results. *European Radiology*, 2006, 16 suppl 1, 283.

D'Helft C, McFadden SL, McGee A, Rainford L, Hughes C, Winder RJ, Brennan P. Diagnostic Reference levels for three common cardiac interventional procedures: An all Ireland investigation. *European Radiology*, 2006, 16 suppl 1, 356.

Magee J, McClelland B, Winder RJ. Discovering “Skeletal Joe” Median. *NI Medical Imaging Forum, Belfast, October, 2005.*

Winder RJ, IN McRitchie , W McKnight , S Cooke. Surgical Planning and CAD/CAM in the Treatment Cranial Defects. *NI Medical Imaging Forum, Belfast, October, 2005.*

D’Helft CS, McFadden SL, A.M. McGee, LA. Rainford, Hughes CM, Winder RJ, PC Brennan. A survey of 3 common cardiac interventional procedures in 9 different Catheterisation Centres in Ireland. *NI Medical Imaging Forum, Belfast, October, 2005.*

Mc Fadden SL, Hughes C, D’Helft C, McGee A, Rainford L, Brennan P, Winder RJ. A prospective study of radiation exposure in paediatric interventional cardiology- preliminary results. *NI Medical Imaging Forum, Belfast, October, 2005.*

Hopkins SMR, Marsh D, Winder RJ. The Introduction of a MetriScan peripheral Bone Densitometer to an A&E Department. *NI Medical Imaging Forum, Belfast, October, 2005.*

Cairns HR, Crone MD, Elliott JM, Winder RJ. 0.2 Tesla Open Magnetic Resonance in Diagnosis of the Clinical Scaphoid. *NI Medical Imaging Forum, Belfast, October, 2005.*

6. Research Funding

Staff Name(s)	Title of Award	Funding Body	Value
Bradley	Fit2Fly – Development of a new flight assessment system for respiratory disease. 2005-2006	Research and Development Office PhD Fellowship	£9,450
Bradley, O'Neill	Northern Ireland Regional Pulmonary Rehabilitation Audit.	Regional Multi-professional Audit Group	£27,837
Gracey	Cancer Related Fatigue	R&D Office HPSS RRG 2005	£1,500
Lennon-Fraser	Promoting International Collaboration in Physiotherapy.	The Leverhulme Trust	£9,146
Lowe-Strong	The impact of fatigue on communication in multiple sclerosis: an insiders view	Royal College of Speech & Language Therapists	£500
Lowe-Strong Lennon-Fraser Hawkins	Group Exercise Therapy for Mobility and Balance in People with Multiple Sclerosis (June 2006)	R&D Office RRG	£388,091
Lyons Lennon-Fraser	Botulinum toxin A for treatment of spasticity after stroke or non progressive brain lesion	R&D Office HPSS DIS - Cochrane Fellowships	£17,756
McDonough	EEG and Mental Practice in people with stroke Games 4 Rehabilitation	DEL, N.I. DEL, N.I.	£5,000 £4,000
McDonough	The use of PRICE in the management of acute soft tissue injury	Physiotherapy Research Funding	£57,000
McDonough Porter- Armstrong	Pulsed Electromagnetic Energy	Technology Signpost Programme	£1,000
Porter- Armstrong	Academic Enterprise Initiatives, University of Ulster.	Higher Education Innovation Fund	£3,000
McDonough Walsh Liddle Bradbury Baxter Hurley-Osing Park	Exercise and auricular electro acupuncture: a subject- and assessor-blind feasibility randomised controlled trial of the effectiveness of a combined approach to chronic low back pain	R&D Office 2006	£162,576
Porter- Armstrong	Priorities for Occupational Therapy Research (POTTER) project.	College of Occupational Therapists via UniYork	£2,832
Porter- Armstrong	Cohesion Funding	Trauma and Rehabilitation Recognised Research Group	£700
Porter- Armstrong Moorhead	Marketing the Easi Seating System	Higher Education Innovation Fund	£3,000

Staff Name(s)	Title of Award	Funding Body	Value
Porter-Armstrong Casey	James Leckey Design Ltd	KTP Award	£149,550
Walsh	Transcutaneous Electrical Nerve Stimulation (TENS) for acute pain	R&D Office HPSS DIS - Cochrane Fellowships	£57,166
Walsh, McDonough, Porter-Armstrong	Health Sciences Capability Funding	DEL - Research Capability Fund	£242,936
Wilson	Are people with stomas more likely to develop low back pain?	The Ileostomy and internal pouch Support Group	£1,800
Winder	Cross Faculty Initiative	Higher Education Innovation Fund	£5,000
Winder	Digital Imaging in Diabetic Retinopathy	Royal Victoria Hospital Trust Funds	£7,000
Winder	Trauma and rehabilitation recognised research group: administrative support.	R&D Office HPSS RRG - Cohesion Fund	£11,307

7. INDICATORS OF ESTEEM

KEYNOTE RESEARCH PAPERS OR INVITED ADDRESSES RELATED TO RESEARCH AT MAJOR OR INTERNATIONAL CONFERENCES

BRADLEY

- ACPRC Oxford 2005.
- Child and Health Welfare RRG, Belfast 2005.

Named Author on Research Presentations at:

- Irish Thoracic Society 2005.
- ATS San Diego 2006.
- Child and Health Welfare RRG, Belfast 2005.
- British Thoracic Society, London, 2005.
- NICHSA 2005.

CASEY

Named Author on Research Presentation at:

- 14th World Congress of Occupational Therapy, Australia 2006.

DUNWOODY

Named Author on Research Presentations at:

- International Palliative Care Conference, Belfast 2005.
- British Psychological Conference, Belfast, 2005.

LENNON-FRASER

- Evidence based Practice in Neurological Physiotherapy. Neurological Rehabilitation: past, present and future. University of Salford, Manchester, 2005.

Named Author on Research Presentations at:

- STEP iii Conference on Neurological Physical Therapy, Salt Lake City, America, 2005.
- 4th World Congress in Neurological Rehabilitation, Hong Kong, 2006.
- 11th Annual Cyber Therapy Conference Canada 2006.
- International Workshop on Virtual Reality California 2005.
- International Workshop on Virtual Reality New York 2006.

McDONOUGH

- American Physical Therapy Association's Combined Sections, New Orleans, 2005.
- UK Council for Graduate Education, London, September 2005.

Named Author on Research Presentations at:

- 4th World Congress in Neurological Rehabilitation, Hong Kong, 2006.
- 11th Annual Cyber Therapy Conference Canada 2006.
- International workshop on virtual reality California 2005.
- International workshop on virtual reality New York 2005.
- 11th Annual Symposium on Complementary Health Care, Exeter, UK, Sept, 2005.

O'NEILL

- Ambulatory Oxygen Provision British Thoracic Society, Aberdeen 2006.
- Irish Thoracic Society, Galway, Ireland. Nov 2005.
- NICHSA 1st Scientific conference April 2005.

Named Author on Research Presentations at:

- British Thoracic Society 2005.
- "Management of breathlessness. Home oxygen therapy". Respiratory Update for Community Physio therapists. Beeches Management Centre, Craigavon. June 23rd 2006.
- "Move on up" road show Prescription of exercise. DVD clips. June 2006 - oral presentation/session.
- Breathless in Belfast, Multidisciplinary Respiratory Conference March 2005.

PORTER-ARMSTRONG

- Keynote address at UK Council for Graduate Education, London, September 2005.

Named Author on Research Presentations at:

- International Seating Symposium, Canada 2006.
- 14th World Congress of Occupational Therapists, Australia, 2006.

STINSON

Named Author on Research Presentation at:

- 14th World Congress of Occupational Therapists, Australia 2006.

IMPACT OF RESEARCH ON GOVERNMENT POLICY

BRADLEY

- Consensus Conference on Outcome Measures in Cystic Fibrosis, European Cystic Fibrosis Society, April 2006.
- Ireland USA consensus Meeting on CF Research, 2006.

LENNON-FRASER

- Chair of the Neurorehabilitation Sub Group of the Trauma and Rehabilitation Recognised Research Group, Research and Development Office, Northern Ireland (April 2004 to Present).
- Member of the executive committee of the Trauma and Rehabilitation Recognised Research Group, Research and Development Office, Northern Ireland (September 2003 to present).

LIDDLE

- CSP Guideline development for the management of persistent Low Back Pain.

LOWE-STRONG

- Member of the Trauma and Rehabilitation Recognised Research Group, Research and Development Office, Northern Ireland.

McDONOUGH

- Chair of Rehabilitation and Therapy Research Society.

PORTER-ARMSTRONG

- Abstract Secretary for Rehabilitation and Therapy Research Society.
- Member of the Trauma and Rehabilitation Recognised Research Group, and Wound Care Sub-Group, Research and Development Office, Northern Ireland.

WINDER

- Secretary and executive member of the Trauma & Rehabilitation Recognised Research Group, Research and Development Office, Northern Ireland.

IMPACT OF RESEARCH ON NATIONAL OR INTERNATIONAL PRACTICE DEVELOPMENT

CASEY

- First ever national OT KTP award (industrial liaison).

GRACEY

- An Evaluation of Approaches to Assess Nursing and Midwifery Performance Summary Report. Northern Ireland Practice and Education council for Nursing (NIPEC) and Institute of Nursing Research, University of Ulster 2005.
- Expert panel member of Low Back Pain Guidelines Group. Chartered Society of Physiotherapy, 2006.

LENNON-FRASER

- Hammond R, Lennon S, Walker M, Hoffman A, Irwin P, Lowe D. Changing occupational therapy and physiotherapy practice through guidelines and audit. *Clinical Rehabilitation*, 2005, 19, p365-371.
- National physiotherapy representative on the Intercollegiate Working Party for Stroke (IWPS) for the National Sentinel Audit for Stroke (1996 to present).
- National physiotherapy representative on the Intercollegiate Working Party for Stroke (IWPS) for the National Clinical Guidelines for Stroke (1996 to present).
- Lennon S, Fitzpatrick C, Hancock N on behalf of the Intercollegiate Working Party for Stroke The Physiotherapy Concise Guide for Stroke. Chartered Society of Physiotherapy, 2006.

McDONOUGH

- McDonough SM: CSP Guidance for the clinical use of electro-physical agents. Published 2005.

MOORHEAD

- Runner up in £25K entrepreneurship award for seating development programme.

PORTER-ARMSTRONG

- First ever national Occupational Therapy based Knowledge Transfer Partnership award in the UK (industrial liaison) with James Leckey Design Ltd.
- Runner up in £25K entrepreneurship award for seating development programme.

STINSON

- Runner up in £25K entrepreneurship award for seating development programme.

HONOURS OR AWARDS GIVEN TO AN INDIVIDUAL IN RECOGNITION OF HIS/HER RESEARCH

BRADLEY

- Best Abstract ACPRC Conference 2005.
- Best Poster Prize, All Ireland CF Conference 2005.

CROSBIE

- Joint prize for Northern Ireland Health Care Awards 2005 Innovations in Stroke Care Award Crosbie J, McDonough S, McNeill M, Lennon S, Development and testing of a virtual Reality Rehabilitation system for the upper limb after stroke.
- Joint prize for Northern Ireland Health Care Awards 2005 Innovations in Stroke
- Care Award Crosbie J, McDonough S, McNeill M, Lennon S, Development and testing of a virtual Reality Rehabilitation system for the upper limb after stroke.

McDONOUGH

- Joint prize for Northern Ireland Health Care Awards 2005 Innovations in Stroke Care Award Crosbie J, McDonough SM, McNeill M, Lennon S, Development and testing of a virtual Reality Rehabilitation system for the upper limb after stroke.

CHAIRING OR MEMBERSHIP OF DISTINGUISHED COMMITTEES RELATED TO RESEARCH

DUNWOODY

- Member of the Working with Older People Recognised Research group.

GRACEY

- Member of the NI Board of Physiotherapists.
- Member of the National Back Pain Association.
- Member of the Physiotherapy Research Society.
- Member of the Trauma and Rehabilitation Recognised Research Group.
- Member of the Cancer Recognised Research Group.
- Member of the Rehabilitation and Therapy Research Society.

LENNON-FRASER

- Member of the Trauma and Rehabilitation Recognised Research Group.
- Member Physiotherapy Research Society (2003 to present).
- Northern Ireland Representative on the National Physiotherapy Research Network (NPRN: November 2004 to present).
- Member of the British Neuropsychological Society (1989 to present)

LIDDLE

- Member of the Rehabilitation & Therapy Research Society.
- Member of Society for Back Pain Research.

McDONOUGH

- Member of the Rehabilitation & Therapy Research Society.
- Member of the International Society of Complementary Medicine Research.

PORTER-ARMSTRONG

- Member of the Rehabilitation & Therapy Research Society.
- Member of the European Pressure Ulcer Advisory Panel.
- Member of the Trauma and Rehabilitation Recognised Research Group.
- Member of the Wound Healing Sub –Group.

WALSH

- Member of the Rehabilitation & Therapy Research Society.

SERVICE ON, OR INVITATIONS TO JOIN, GOVERNMENT, NATIONAL OR INTERNATIONAL BODIES OR PROFESSIONAL ADVISORY BODIES, RELEVANT TO RESEARCH

BRADLEY

- Member Research Advisory Committee UK CF Trust (Oct 2004-present).
- Respiratory Review Editor for the Association of Chartered Physiotherapists in Respiratory Care (Oct 2004-present).
- Member Cochrane CF and Genetic Disorders Review Group (2000-present).
- Member Cochrane Airways Group (2001-present).
- Grant reviewer for UK British Lung Foundation, UK CF Trust, Health Research Board, Southern Ireland, Short Course Bursary Scheme.
- Grant reviewer for PPP Health Care; Research and Development Office NI, (HRB Southern Ireland); BLF; CF Trust.
- Member of the British Lung Foundation Research Advisory Committee 2005 – present.

GRACEY

- Expert Panel Member on development of low back pain guidelines, Chartered Society of Physiotherapy, 2006.

LENNON-FRASER

- Grant reviewer: Physiotherapy Research Foundation.
- Grant reviewer: NHS Health Technology Assessment Programme.
- Grant reviewer: The Stroke Association.
- Grant reviewer: NHS Executive

LIDDLE

- Member of Cochrane Back Pain Review Group.

McDONOUGH

- Research and Education Committee, Acupuncture Association of Chartered Physiotherapists, Member
- Grant reviewer: Acupuncture Association of Chartered Physiotherapist; Physiotherapy Research Foundation; NHS Health Technology Assessment Programme; New and Emerging Applications of Technology (NEAT) Programme
- Scientific Panel, Chartered Society of Physiotherapy. Member, 2005-date
- R & D Office MPhil Bursary Panel

MOORHEAD

- The Nutrition Society; Society of Chemical Industry.
- Trauma and Rehabilitation Recognised Research Group.
- The Wound Management Association of Ireland.
- The Therapy and Rehabilitation Research Society.

PORTER-ARMSTRONG

- Abstract Secretary: Rehabilitation & Therapy Research Society 2005.
- Member of the European Pressure Advisory Panel (EUPAP)

WALSH

- Northern Ireland Chest, Heart and Stroke Association. Member, Scientific Research Grants Committee, 2004-date.
- NI Research & Development Office, Fellowship Evaluation Panel. Member, 2001-date.
- Scientific Panel, Chartered Society of Physiotherapy. Member, 2003-date.

WINDER

- Chair of Department of Health and Social Services Clinical Imaging Services Advisory committee (2005 -)
- Executive member of the NI Medical Imaging Forum (2003 -)
- Grant reviewer for Medical Research Council of South Africa (2005)

EDITORIAL ACTIVITIES (Including, for example, membership of the editorial boards of journals)

BRADLEY

- 2004 – Respiratory Review Edition ACPRC.
- Peer reviewer for Journals: Thorax; Coronary Health Care; Quality of Life Research; European Respiratory Journal Physical Therapy Reviews.

CASEY

- Peer reviewer for Journal: British Journal of Occupational Therapy.
- Programme abstract reviewer for 14th World Congress of OT, Australia 2006.
- Member Editorial Board: NAPOT Journal.

DUNWOODY

- Peer reviewer for Psychology and Health.

LENNON-FRASER

- Peer reviewer for Journals: Clinical Rehabilitation, Disability and Rehabilitation, Physiotherapy.
- On editorial board of: Physical Therapy Reviews.
- Co-editor with Prof Ann Ashburn for Special Issue of Disability and Rehabilitation “Contemporary Therapy in Stroke Rehabilitation 2006.

LIDDLE

- Peer reviewer for Journals: CMAJ, Annals Internal Medicine, Preventive Medicine.

LOWE-STRONG

- Reviewer for Journals: Multiple Sclerosis; Journal of Neurology, Neurosurgery and Psychiatry; Lasers in Surgery and Medicine; Lasers in Medical Science; Cellular and Molecular Biology; Journal of Pharmacy and Pharmacology; International Journal of Therapy and Rehabilitation; International Journal of Multiple Sclerosis Care; Clinical Rehabilitation; Archives of Physical Medicines & Rehabilitation.
- On editorial board of: Physical Therapy Reviews; International Journal of Therapy and Rehabilitation.

McDONOUGH

- Assistant Editor-in-Chief for Physical Therapy Reviews, 2003 to date.
- Paper Reviewer: Developmental Medicine and Child Neurology, Physiotherapy; Physical Therapy Reviews; Manual therapy; Complementary therapies in Medicine. British Medical Journal, British Journal of Sports Medicine, Advances in Physiotherapy.

MOORHEAD

- Reviewer for the International Journal of Obesity.

O'NEILL

- Peer reviewer for Journals: Thorax; Physiotherapy, Physical Therapy reviews.
- Contributor Respiratory Review for the Association of Chartered Physiotherapists in respiratory care 2004 – present.

PORTER-ARMSTRONG

- Member of the Editorial board Physical Therapy Reviews.
Reviewer for Journals: Clinical Rehabilitation; British Journal of Occupational Therapy.
- Grant reviewer: Department of Health (UK); Long term neurological conditions research initiative proposals, MS Society Great Britain.

STINSON

- Peer reviewer for Journal: Medical Engineering and Physics.

WALSH

- Member of the Editorial Board of Physical Therapy Reviews.
- Reviewer for the following journals: Lasers in Surgery and Medicine; Clinical Physiology and Functional Imaging; Journal of Pain; British Journal of Obstetrics and Gynaecology; Pain; Archives of Physical Medicine and Rehabilitation, Physiotherapy Theory and Practice, Journal of Oral Diseases; and, Physiotherapy.

- Reviewer for Journals: British Journal of Radiology, British Journal of Oral and Maxillofacial Surgery; Journal of Medical Engineering & Technology, Journal of Engineering in Medicine.
- Book reviewer: Woodhead Publishing Ltd.