



# HEALTH AND REHABILITATION SCIENCES RESEARCH INSTITUTE

ANNUAL REPORT

1 AUGUST 2006 - 31 JULY 2007

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REHABILITATION SCIENCES  
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## I. FOREWORD BY THE PRO VICE CHANCELLOR (RESEARCH AND INNOVATION)



I am delighted to welcome readers to our annual reports from University of Ulster Research Institutes. We have had an excellent year marked by great achievements in recruiting superb researchers to academic and research posts, attracting external income and completing work that has led to highly prestigious papers, books and other outputs. There has been a very strong flow of research findings as new disclosures to our Office of Innovation. These are being managed as promising new intellectual property and that Office also ensures that the expertise of our staff is accessed by external

organisations through consultancy contracts. Overall our Institutes provide high quality research environments that are strongly supportive of research. Our achievements point to improved research capacity and capability amongst the University's staff – the best possible training environments for our increasing number of research students. We are very proud of every student who graduates with a doctoral degree and delighted that our statistics for successful completion rank very highly in UK national comparisons.

This past year was marked by final preparations for the forthcoming UK Research Assessment Exercise (RAE). The work to be submitted for RAE has been underway since 2001, so some of it is detailed in the current Annual Reports. The University is proud of the quality of its RAE submission and looks forward confidently to the announcement of outcomes at the end of 2008.

The enhanced research performance of recent years is in line with that planned for in our Strategy and Action Plan for Research, Research Training and Innovation, entitled SUPPORTIVE<sup>1</sup>. Developed through comprehensive, university-wide consultation, SUPPORTIVE articulates our commitment to ensuring that research at the University of Ulster fully supports our goals summarized as '*excellence, innovation and regional engagement*'.

I commend this report to you as a demonstration that University of Ulster research ranks proudly amongst UK institutions; documents, analyses and shapes the modern Northern Ireland and attracts international recognition and awards.

Professor Bernie Hannigan  
Pro Vice Chancellor (Research & Innovation)

<sup>1</sup> <http://research.ulster.ac.uk/office/supportive.pdf>

## 2. FOREWORD BY THE RESEARCH INSTITUTE DIRECTOR



This annual report describes the research activities within the Health and Rehabilitation Sciences Research Institute (RI) in the School of Health Sciences, which offers undergraduate and postgraduate courses in the professional areas of Clinical Physiology, Occupational Therapy, Podiatry, Physiotherapy, Radiography and Speech and Language Therapy.

The mission of the RI is to conduct high quality basic and applied research, to develop the evidence base, in order to improve clinical practice and quality of life for users of health and social services and the general public. This year has seen a number of exciting new developments and challenges for the Health and Rehabilitation Sciences Research Institute (RI). The RI has continued to develop its research within three overarching themes; namely rehabilitation interventions, healthcare technology and electrotherapy and complementary and alternative medicine. This research work is mainly led by Allied Health Professionals from Physiotherapy, Occupational Therapy, and Clinical Science engaged in clinical areas such as cancer, multiple sclerosis, respiratory disease and stroke. Other areas of research activity are in Podiatry, Radiography and Speech and Language Therapy.

In the summer, 2006, our Centre for Rehabilitation Research building was commissioned and handed over to the University. Currently there are 10 academics, 3 administrative/clerical staff, a centre technician, 10 contract research staff and 25 PhD students. The Centre for Rehabilitation Research provides a physical focus for Health and Rehabilitation Research in the UK and is the only one of its kind on the island of Ireland. It contains 19 research/treatment rooms, including virtual reality suites, neurophysiology suites, a pressure mapping suite, ultrasound scanning suite, 3D imaging laboratory, and an incontinence suite. In addition, there are communal rehabilitation areas, including a well equipped gym, movement analysis laboratory and research and administration offices (15 individual research offices for academic staff and visiting scholars, an open plan research area with 30 work stations, a seminar room and a secure data storage room).

The new Centre for Rehabilitation Research, School of Health Sciences, University of Ulster

There have been significant grant awards coupled with high quality scientific output in peer reviewed journals. International collaborative work has been further enhanced with visiting scholars, working with RI members, from across the globe coming to visit the University of Ulster: Prof Courtney Lyder (University of Virginia), Dr Amanda Piper (University of Sydney), and via external funding sources: Prof Dan Bader (Queen Mary University, London), Prof Jeff Basford (Mayo Clinic), Prof David Baxter (University of Otago).

Research funding from competitive grant awards was just over £660,000. Funding was received from the HPSS Research and Development Office, The Institute of Occupational Safety and Health, the CSP Physiotherapy Research Foundation and The Leverhulme Trust. This funding was further supplemented by income from a variety of sources including local NHS Trust Funds and a CAST award from VivoMetrics, USA. There have been 38 peer reviewed publications, accompanied



by a wide range of presentations at international conferences. Nine members of the RI attended the World Confederation for Physical Therapy International Congress, in Vancouver, Canada.

Our main challenge this year was the collection, collation, and reporting of our research from 2001 – 2007 for the Higher Education Funding Council for England, Research Assessment Exercise 2008. The RAE submission contained high quality peer reviewed published work from 14 researchers from the School of Health Sciences, our largest submission to the RAE to date. I would like to take this opportunity to thank all the contributors to our submission and wish them every success in the forthcoming year.

Our challenge for the future is to increase the capacity and capability of research active Allied Health Professions drawing mainly from the School of Health Sciences. We look forward to seeing greater research income from across the spectrum of Allied Health Professionals, with the development of research staff that accompany such success, enhancing both research culture and capacity.

Dr John Winder PGCHEP CSci MIPEM  
Director of Health and Rehabilitation Sciences Research Institute

### 3. RESEARCH STAFF

| Surname                               | Forename   | Title | Position  |
|---------------------------------------|------------|-------|---|
| <b>Core Members</b>                   |            |       |   |
| <b>Bradley</b>                        | Judy       | Dr    | Reader in Rehabilitation Sciences                                 |
| <b>Lennon-Fraser</b>                  | Sheila     | Dr    | Senior Lecturer in Rehabilitation Sciences                        |
| <b>Lowe-Strong</b>                    | Andrea     | Dr    | Senior Lecturer in Rehabilitation Sciences                        |
| <b>McDonough</b>                      | Suzanne    | Prof  | Professor of Health & Rehabilitation                              |
| <b>O'Neill</b>                        | Brenda     | Dr    | Lecturer in Physiotherapy   |
| <b>Porter-Armstrong</b>               | Alison     | Dr    | Senior Lecturer in Rehabilitation Sciences                        |
| <b>Walsh</b>                          | Deirdre    | Prof  | Professor of Rehabilitation Research                              |
| <b>Winder</b>                         | John       | Dr    | Director of Health and Rehabilitation Sciences Research Institute |
| <b>Associate Members</b>              |            |       |   |
| <b>Crosbie</b>                        | Jacqueline | Mrs   | Lecturer in Physiotherapy   |
| <b>Gardner</b>                        | Evie       | Ms    | Lecturer in Health Statistics                                     |
| <b>Gracey</b>                         | Jackie     | Dr    | Lecturer in Physiotherapy   |
| <b>Harte</b>                          | Annette    | Dr    | Lecturer in Physiotherapy   |
| <b>Hughes</b>                         | Ciara      | Dr    | Lecturer in Clinical Physiology                                   |
| <b>Liddle</b>                         | Dianne     | Dr    | Lecturer in Health and Rehabilitation Sciences                    |
| <b>Moran</b>                          | Fidelma    | Ms    | Lecturer in Physiotherapy   |
| <b>Stinson</b>                        | May        | Dr    | Lecturer in Occupational Therapy                                  |
| <b>Academic Research Active Staff</b> |            |       |   |
| <b>Blaney</b>                         | Bronagh    | Dr    | Lecturer in Rehabilitation Sciences                               |
| <b>Breen</b>                          | Cathal     | Mr    | Lecturer in Clinical Physiology                                   |
| <b>Casey</b>                          | Jacqueline | Mrs   | Lecturer in Occupational Therapy                                  |
| <b>Conway</b>                         | Sharon     | Mrs   | Lecturer in Diagnostic Radiography                                |
| <b>Duffy</b>                          | Orla       | Dr    | Lecturer in Speech and Language Therapy                           |
| <b>Dunwoody</b>                       | Lynn       | Dr    | Lecturer in Health Psychology                                     |
| <b>Kelly</b>                          | Greg       | Dr    | Lecturer in Occupational Therapy                                  |
| <b>Kerr</b>                           | Daniel     | Dr    | Lecturer in Physiotherapy   |

| <b>Surname</b>                 | <b>Forename</b> | <b>Title</b> | <b>Position</b>  |
|--------------------------------|-----------------|--------------|--|
| <b>Lagan</b>                   | Katie           | Dr           | Lecturer in Podiatry                                     |
| <b>Logan</b>                   | Ian             | Dr           | Lecturer in Clinical Physiology                          |
| <b>McFadden</b>                | Sonyia          | Ms           | Lecturer in Diagnostic Radiography                       |
| <b>McVeigh</b>                 | Joseph          | Dr           | Lecturer in Physiotherapy                                |
| <b>Murray</b>                  | Bridget         | Mrs          | Lecturer in Occupational Therapy                         |
| <b>Parnes</b>                  | Andrea          | Ms           | Associate Clinical Lecturer in Podiatry                  |
| <b>Shiels</b>                  | Helen           | Miss         | Lecturer in Diagnostic Radiography                       |
| <b>Titterington</b>            | Jill            | Dr           | Associate Lecturer in Speech & Language Therapy          |
| <b>Wilson</b>                  | Iseult          | Ms           | Lecturer in Rehabilitation Sciences                      |
| <b>Contract Research Staff</b> |                 |              |  |
| <b>Bleakley</b>                | Christopher     | Dr           | Research Associate                                       |
| <b>Lyons</b>                   | Bernie          | Mrs          | Research Fellow  |
| <b>Ma</b>                      | Eunice          | Dr           | Research Associate                                       |
| <b>McGoldrick</b>              | Clare           | Mrs          | Research Associate in Virtual Reality                    |
| <b>Moorhead</b>                | Anne            | Dr           | Research Associate in Health and Rehabilitation Sciences |
| <b>O'Connor</b>                | Sean            | Mr           | Research Associate (CAM)                                 |
| <b>Oliver</b>                  | Louise          | Dr           | Research Associate in Health and Rehabilitation Sciences |
| <b>Tully</b>                   | Mark            | Dr           | Research Associate                                       |
| <b>Yuan</b>                    | Jing            | Dr           | Research Associate                                       |
| <b>Hall</b>                    | Melissa         | Miss         | Research Associate                                       |

## 4. Research Students

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <b>Adams, Catherine</b>   |
| <b>Title of Project</b>  | Pressure ulcers: use and application of technologies to affect pressure care behaviour in high risk individuals |
| <b>Grant Source</b>      | Department for Employment and Learning  |
| <b>Country of Origin</b> | Northern Ireland  |

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <b>Aicken, Brenda</b>                             |
| <b>Title of Project</b>  | Obstructive sleep apnoea in Northern Ireland      |
| <b>Grant Source</b>      | Research and Development Office, Northern Ireland |
| <b>Country of Origin</b> | Northern Ireland                                  |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Blaney, Janine</b>  |
| <b>Title of Project</b>  | The role of exercise in non-pharmalogical management of cancer related fatigue |
| <b>Grant Source</b>      | Department for Employment and Learning   |
| <b>Country of Origin</b> | Northern Ireland   |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Crawford, Jacqueline</b>                                  |
| <b>Title of Project</b>  | An investigation into mechanisms of neurocardiogenic syncope |
| <b>Grant Source</b>      | University of Ulster (member of staff)                       |
| <b>Country of Origin</b> | Northern Ireland   |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Crosbie, Jacqueline</b>   |
| <b>Title of Project</b>  | Virtual reality in the rehabilitation of the upper limb after stroke |
| <b>Grant Source</b>      | University of Ulster (member of staff)                               |
| <b>Country of Origin</b> | Northern Ireland   |

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <b>Doherty, Linda</b>   |
| <b>Title of Project</b>  | Variation in ECG electrode placement: investigating and improving diagnostic accuracy in the clinical setting |
| <b>Grant Source</b>      | University of Ulster (member of staff)  |
| <b>Country of Origin</b> | Northern Ireland  |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Donnelly, Caroline</b>  |
| <b>Title of Project</b>  | The role of exercise in non-pharmalogical management of cancer related fatigue |
| <b>Grant Source</b>      | Department for Employment and Learning   |
| <b>Country of Origin</b> | Northern Ireland   |

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

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Hunter, Ruth</b>  |
| <b>Title of Project</b>  | An investigation of the hypoalgesic effects of acupuncture |
| <b>Grant Source</b>      | Department for Employment and Learning                     |
| <b>Country of Origin</b> | Northern Ireland   |

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <b>Kent, Lisa</b>   |
| <b>Title of Project</b>  | Is the Life Shirt a useful clinical end point for clinical trials in cystic fibrosis? |
| <b>Grant Source</b>      | Department for Employment and Learning, VIVOMETRICS Inc, US                           |
| <b>Country of Origin</b> | Northern Ireland  |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Kritsnakriengkra, Sukalya</b>                   |
| <b>Title of Project</b>  | Complementary and alternative treatment for asthma |
| <b>Grant Source</b>      | Vice Chancellor's Research Scholarship             |
| <b>Country of Origin</b> | Thailand   |

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <b>Kumar, Sunil</b>   |
| <b>Title of Project</b>  | Complementary and alternative medicine (CAM) and hypertension |
| <b>Grant Source</b>      | Vice Chancellor's Research Scholarship                        |
| <b>Country of Origin</b> | India   |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Lavery, Katherine</b>   |
| <b>Title of Project</b>  | Self-management in non-cystic fibrosis (CF) bronchiectasis - a randomised controlled trial |
| <b>Grant Source</b>      | Research and Development Office, Northern Ireland  |
| <b>Country of Origin</b> | Northern Ireland   |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Lecky, Alison</b>                                       |
| <b>Title of Project</b>  | Advanced 3D multislice CT mapping of the paranasal sinuses |
| <b>Grant Source</b>      | Self funded  |
| <b>Country of Origin</b> | Northern Ireland   |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Magee, Justin</b>   |
| <b>Title of Project</b>  | Three dimensional virtual human biomechanics and visualisation |
| <b>Grant Source</b>      | University of Ulster (member of staff)                         |
| <b>Country of Origin</b> | Northern Ireland   |

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <b>Martin, Susan</b>  |
| <b>Title of Project</b>  | Fit2Fly – development of a new flight assessment system for respiratory disease |
| <b>Grant Source</b>      | Research and Development Office, Northern Ireland                               |
| <b>Country of Origin</b> | Northern Ireland  |

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <b>McCullough, Carey</b>  |
| <b>Title of Project</b>  | Complementary and alternative medicine for the management of insomnia |
| <b>Grant Source</b>      | Department for Employment and Learning                                |
| <b>Country of Origin</b> | Northern Ireland  |

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <b>McFadden, Sonyia</b>   |
| <b>Title of Project</b>  | Radiation dose optimisation in paediatric interventional cardiology |
| <b>Grant Source</b>      | University of Ulster (member of staff)                              |
| <b>Country of Origin</b> | Northern Ireland  |

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <b>McParland, Geraldine</b>   |
| <b>Title of Project</b>  | The evaluation of long term right heart pacing in patients with a reduced LV ejection fraction and those who have undergone A-V nodal ablation. |
| <b>Grant Source</b>      | Self funded   |
| <b>Country of Origin</b> | Northern Ireland  |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Mitchell, Sarah</b>   |
| <b>Title of Project</b>  | Electrophysiological markers of auditory processing disorders and the effects of remediation |
| <b>Grant Source</b>      | Department for Employment and Learning   |
| <b>Country of Origin</b> | Northern Ireland   |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Moran, Fidelma</b>  |
| <b>Title of Project</b>  | Non-invasive ventilation in bronchiectasis and cystic fibrosis                               |
| <b>Grant Source</b>      | University of Ulster (member of staff), Northern Ireland Chest, Heart and Stroke Association |
| <b>Country of Origin</b> | Northern Ireland   |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Prue, Gillian</b>                   |
| <b>Title of Project</b>  | Cancer related fatigue                 |
| <b>Grant Source</b>      | Department for Employment and Learning |
| <b>Country of Origin</b> | Northern Ireland                       |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Purepong, Nithimia</b>                          |
| <b>Title of Project</b>  | The effectiveness of acupuncture for low back pain |
| <b>Grant Source</b>      | Vice Chancellor's Research Scholarship             |
| <b>Country of Origin</b> | Thailand   |

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Shaw, Julia</b>   |
| <b>Title of Project</b>  | A randomised controlled trial examining the effect of a phenytoin containing dressing on healing in diabetic foot ulcers |
| <b>Grant Source</b>      | Research and Development Office, Northern Ireland  |
| <b>Country of Origin</b> | Northern Ireland   |

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <b>Wilson, Iseult</b>                                       |
| <b>Title of Project</b>  | The correlation between abdominal surgery and low back pain |
| <b>Grant Source</b>      | University of Ulster (member of staff)                      |
| <b>Country of Origin</b> | Northern Ireland  |

|                          |   |
|--------------------------|---|
| <b>Name</b>              | <b>Workman, Adam</b>  |
| <b>Title of Project</b>  | Imaging performance assessment of digital x-ray imaging systems |
| <b>Grant Source</b>      | Self funded   |
| <b>Country of Origin</b> | Northern Ireland  |

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

|                          |  |
|--------------------------|--|
| <b>Name</b>              | <b>Yuan, Jing</b>                                  |
| <b>Title of Project</b>  | The effectiveness of acupuncture for low back pain |
| <b>Grant Source</b>      | Vice Chancellor's Research Scholarship             |
| <b>Country of Origin</b> | China  |

## 5. Research Publications

### BLANEY

#### Journal Publications

Blaney, BE., Hewlett, N., 2007. Dysarthria and Friedreich's ataxia: what can intelligibility assessment tell us? *International Journal of Language and Communication Disorders*, 42 (1), pp. 19-38.

### BLEAKLEY

#### Journal Publications

Abernethy, L., Bleakley, C., 2007. Strategies to prevent injury in adolescent sport: a systematic review. *British Journal of Sports Medicine*. 41 (10), pp. 627-38.

Bleakley, CM., McDonough, SM., McAuley, DC., 2006. Cryotherapy for acute ankle sprains: a randomised controlled study of two different icing protocols. *British Journal of Sports Medicine*, 40, pp. 700-705.

#### Editorial

Hughes, CM., Bleakley, CM., 2006. Treatment of knee pain in primary care: Pharmacists and physiotherapists need to be a part of the team, *British Medical Journal*, 333, pp. 981 – 982.

#### Invited Book Chapters

Bleakley, CM., McDonough, SM., MacAuley DC, 2007. What is the role of ice in soft-tissue injury management?. In MacAuley, D., Best, T., *Evidence Based Sports Medicine: Second Edition*. London: Blackwell Publishing, Chapter 11.

Bleakley, CM., Glasgow, PG., 2006. Rehabilitation post ankle sprain, knee sprain, shoulder dislocation, adductor tendinopathy. MacAuley, D., *Oxford Handbook of Sports Exercise and Medicine*. Oxford: Oxford University Press.

#### Conference Abstracts

Bleakley, CM., McDonough, SM., MacAuley, DC. The use of ice in the management of acute ankle sprains: A randomised controlled trial of two cryotherapy protocols. *World Confederation of Physiotherapy*, June 2007, Vancouver, Canada.

Bleakley, CM., McDonough, SM., MacAuley, DC. Management of acute ankle sprains: evidence of effectiveness. *World Confederation of Physiotherapy*, June 2007, Vancouver, Canada.

Bleakley, CM., McDonough, SM., MacAuley, DC. The use of ice in the management of acute ankle sprains: A randomised controlled trial of two cryotherapy protocols. *Combined sections meeting*, February 2007, Boston, USA.

### BRADLEY

#### Journal Publications

Moran, F., Bradley, JM., Jones, AP., Piper, AJ., 2007. Non-invasive ventilation for cystic fibrosis. *Cochrane Database of Systematic Reviews*, Issue 4. Art. No.: CD002769. DOI: 10.1002/14651858.CD002769.pub2.

Courtney, JM., Bradley, JM., McCaughan, J., O'Connor, T., Shortt, C., Bredin, C., Bradbury, I., Elborn, JS., 2007. Predictors of mortality in adults with cystic fibrosis. *Pediatric Pulmonology*, 42 (6), pp. 525-532.

Bradley, JM., Lasserson, T., Elborn, S., MacMahon, J., O'Neill, B., 2007. A systematic Review of randomized controlled trials examining the short-term benefit of ambulatory oxygen in COPD. *Chest*, 131, pp. 278-285.

Lavery, K., O'Neill, B., Elborn, JS., Reilly, JS., Bradley, JM., 2007. Self management in bronchiectasis. The patient's perspective. *European Respiratory Journal*, 29, pp. 541-547.

Patterson, JE., Hewitt, O., Kent, L., Bradley, JM., Bradbury, I., Elborn, JS., 2007. Acapella® versus 'usual airway clearance' during acute exacerbation in bronchiectasis: a randomized crossover trial. *Chronic Respiratory Disease*, 4 (2), pp. 67-74.

Martin, SE., Bradley, JM., Buick, JB., Bradbury, I., Elborn, JS., 2007. Flight assessment in patients with respiratory disease: hypoxic challenge testing vs. predictive equations. *Quarterly Journal of Medicine*, 100, pp. 361-367.

O'Neill, B., McKeivitt, AM., Rafferty, S., Bradley, JM., Johnston, D., Bradbury, I., MacMahon, J., 2007. A comparison of twice versus once weekly supervision during pulmonary rehabilitation in COPD. *Archives of Physical Medicine and Rehabilitation*, 88 (2), pp. 167-172.

Martin, S., Buick, B., Elborn, JS., Bradley, JM., 2006. Fitness to fly in Respiratory Disease *International Journal of Respiratory Care*, 2(4): 125-29

### **Conference Abstracts**

Shimmin, D., Rendall, J., Bradley, J., Elborn, JS. Do people with cystic fibrosis (CF) and one R117H allele have less severe phenotype compared with AF508 homozygote's, 30th European Cystic Fibrosis Conference, June 2007, Belek, Turkey.

Wilson, JS., O'Neill, B., Reilly, J., MacMahon, J., Hall, M., Bradley, JM. Education in pulmonary rehabilitation: the patient's perspective, *Physiotherapy*, 2007, 93, (S1):S330, The World Confederation for Physical Therapy International Congress, June 2007, Vancouver, Canada.

Bradley, JM., Kent, L., Elborn, JS. Repeatability of cardiorespiratory measurements recorded by the LifeShirt, The World Confederation for Physical Therapy International Congress, June 2007, Vancouver, Canada.

Wilson, JS., O'Neill, B., Reilly, J., MacMahon, J., Hall, M., Bradley, JM. Education in pulmonary rehabilitation: the patient's perspective, Northern Ireland Chest, Heart & Stroke Association, 3rd Scientific Conference, May 2007, Northern Ireland.

Moran, F., Elborn, JS., Piper, AJ., Hewitt, O., Bradley, JM. Airways clearance in bronchiectasis: is noninvasive ventilation a useful adjunct in moderate to severe disease? A pilot study. *American Journal of Respiratory and Critical Care Medicine* 2007; 175, Abstract Issue, April: A97. American Thoracic Society (ATS) 103rd International Conference, May 2007, San Francisco, California, USA.

Martin, SE., Bradley, JM., Buick, JB., Bradbury, I., Elborn, JS. Flight assessment in patients with respiratory disease: Agreement between hypoxic challenge testing and predictive equations. *Thorax* 61 suppl 2: ii50, British Thoracic Society, Winter Meeting, December 2006, London, UK.

Moran, F., Elborn, JS., Moffitt, K., Piper, A., Bradley, JM. Is sputum load a useful outcome measure for clinical trials in bronchiectasis. *Thorax*, 61 suppl 2: ii99. British Thoracic Society, Winter Meeting, December 2006, London, UK.

Wilson, JS., O'Neill, B., Reilly, J., MacMahon, J., Hall, M., Bradley, JM. Education in pulmonary rehabilitation: the patients perspective. *Thorax*, 61 suppl 2: ii66. British Thoracic Society, Winter Meeting, December 2006, London, UK.

Bradley, JM., Boyle, L., Elborn, JS. Monitoring of ventilation during exercise tests: Repeatability of the LifeShirt system and comparison between patients with CF and healthy controls. *Paediatric Pulmonology* suppl 29:354, 20th Annual North American Cystic Fibrosis Conference, November 2006, Denver, Colorado, USA.

Kent, L., Bradley, JM., France, M., Doring, G., Carryn, S., Bradbury, I., Rendall, J., Jones, A., Elborn, JS. Efficacy of temocillin in CF: A retrospective pilot study. *Paediatric Pulmonology* suppl 29:369, 20th Annual North American Cystic Fibrosis Conference, November 2006, Denver, Colorado, USA.

Martin, SE., Bradley, JM., Buick, JB., Elborn, JS. Flight assessment in patients with cystic fibrosis: agreement between hypoxic challenge testing and predictive equations. *Paediatric Pulmonology* suppl 29: 353, 20th Annual North American Cystic Fibrosis Conference, November 2006, Denver, Colorado, USA.

O'Neill, B., MacMahon, J., Bradley, JM. Short burst oxygen therapy in Chronic Obstructive Pulmonary Disease: A systematic review, Allied Health Professionals Conference, October 2006, Northern Ireland.

## CROSBIE

### Journal Publications

Crosbie, JH., Lennon, S., McDonough, SM., Basford, JR., 2007. Virtual reality in stroke rehabilitation: Still more virtual than real. *Disability and Rehabilitation*, 29, pp. 1139-1146.

### Conference Abstracts

Ma, Minhua., M, McNeill, D., Charles, S., McDonough, S., Crosbie, J. Virtual Reality Games for Motor Rehabilitation, 9th International Conference on Computer Games: AI, Animation, Mobile, Educational & Serious Games, Q. Mehdi, F. Mtenzi, B. Duggan, and H McAtamney (Eds.), 143-150, Dublin Institute of Technology, Dublin, November 2006, Ireland.

Minhua, Ma., McNeill, D., Charles, D., McDonough, S., Crosbie, J. Physics-based virtual reality for post-stroke rehabilitation, Fifth Eurographics Ireland Workshop, October 2006, Dublin.

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Malcomson, KS., Lowe-Strong, AS., Dunwoody, L., 2007. What can we learn from the personal insights of individuals living and coping with multiple sclerosis. *Disability and Rehabilitation*, 26, pp. 1-13.

### Conference Abstracts

McBride, O., Dunwoody, L., Lowe-Strong, A., Kennedy, M. Measuring adversarial growth following chronic illness: An investigation into the dimensionality and utility of the Silver Lining Questionnaire. Fourth Annual Psychology, Health and Medicine Conference, NUI Maynooth, April 2007, Ireland.

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## GRACEY

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Liddle, SD., Gracey, JH., Baxter, GD. Advice for the management of low back pain: do randomised controlled trials reflect current clinical guidelines? Abstract in *Physiotherapy* 93 (S1): S160, World Confederation for Physical Therapy, June 2007, Vancouver, Canada.

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## HARTE

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D'Helft, C., McGee, A., Rainford, L., Mc Fadden, SL., Hughes, C., Winder, RJ., Brennan, PC. A survey of radiation dose and image optimisation for cardiac interventional procedures, Supplement to European Journal of radiology, European Society Cardiac Radiology, October 2006, Athens, Greece.

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McDonough, SM., Kennedy, S., Bradbury, I., Kerr, DP., Baxter, GD., Park, J. Does acupuncture have a specific effect in acute non specific low back pain: a pilot study? The World Confederation for Physical Therapy International Congress, June 2007, Vancouver, Canada.

McDonough, S., Yuan, J., Purepong, N., Kerr, D., Bradbury, I. An exploration of acupuncture treatment dose in chronic low back pain: a pilot study. Rehabilitation and Therapy Research Society, Third Annual Conference, April 2007, University of Ulster, Northern Ireland.

Yuan, J., Purepong, N., Bradbury, I., McDonough, SM., Kerr, DP. A pilot randomised controlled trial comparing different frequencies of acupuncture for chronic low back pain. Focus On Alternative Complimentary Therapy, 11:57-58, December, 2006, Exeter, England.

Wilson I, Kerr D, Lennon S, Low back pain in people with a stoma: preliminary findings. Conference proceedings: Primary Care Research Forum, November 2006, Belfast, Northern Ireland.

## LAGAN

### Journal Publications

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**Journal Publications**

Crosbie, JH., Lennon, S., McDonough, SM., Basford, JR., 2007. Virtual reality in stroke rehabilitation: Still more virtual than real. *Disability and Rehabilitation*, 29, pp. 1139-1146.

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Lennon, S., MacAuley, S., Hill, C., Lowe-Strong, A. Group exercise therapy for mobility and balance in people with multiple sclerosis: a randomised controlled pilot study, 2007; 93 (SI):S328, World Confederation for Physical Therapy, June 2007, Vancouver, Canada.

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McDonough, S., Walsh, DM., Liddle, SD., Baxter, GD., Park, J., Hurley-Osing, D., Delitto, A., Bradbury, I. Exercise and auricular acupuncture for chronic low back pain: the 'APEP' trial. *Northern Ireland Primary Care Research Forum*, November 2006, Belfast, N. Ireland.

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Baxter, D., McDonough, S. Electrotherapy and laser therapy in pain management: basic science and clinical section. American Physical Therapy Association Combined Sections Meeting, February 2007, Boston, USA.

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Yuan, J., Purepong, N., Bradbury, I., McDonough, SM., Kerr, DP. A pilot randomised controlled trial comparing different frequencies of acupuncture for chronic low back pain. *Focus On Alternative Complimentary Therapy*, 11:57-58, December 2006, Exeter, England.

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## McFADDEN

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D'Helft, C., McGee, AM., Rainford, LA., Mc Fadden, SL., Hughes, CM., Winder, RJ., Brennan, PC. Proposed diagnostic reference levels for 3 common cardiac interventional procedures in Ireland. Proceedings of SPIE, International Society for Optical Engineering, February 2007, San Diego, USA.

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## McVEIGH

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## MOORHEAD

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Deegan, S., Brannigan, P., Porter-Armstrong, A, Moorhead, A., Adams, C. Is computational analysis of high frequency ultrasound imaging a useful tool in wound care? Association of Physical Scientists in Medicine, Annual Scientific Meeting, May 2007, Dublin.

McDonough, S., Liddle, SD., Moorehead, A., Allen, S. The utility of the ActiPal™ monitor as a measure of free living physical activity in adults. Rehabilitation and Therapy Research Society, Rehabilitation and Therapy Research Society, Third Annual Conference, April 2007, University of Ulster, Northern Ireland.

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Moorhead, A., Carlsson, D., Liddle, D., Hurling-Osing, D., Hager-Ross, C., Sundelin, G., Baxter, D., McDonough, S. Validity and inter-monitor reliability of the activPAL™ activity monitor, American Physical Therapy Combined Sections Meeting, February 2007, Boston, USA.

Welch, R.W., Moorhead, S.A., Irvine, P.A., Livingstone, M.B.E. Strategies for developing snack foods that enhance satiety and decrease subsequent intakes. AACC International Annual Meeting, September 2006, San Francisco, USA.

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Moran, F., Elborn, J.S., Moffitt, K., Piper, A., Bradley, J.M. Is sputum load a useful outcome measure for clinical trials in bronchiectasis? Thorax 61 suppl 11 P131, British Thoracic Society Conference, December 2006, London.

## OLIVER

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Oliver, L.M., Dunlop, P.S.M., Byrne, J.A., Blair, I.S., Boyle, M., McGuigan, K.G., McAdams, E.T., 2006. An impedimetric sensor for monitoring the growth of Staphylococcus epidermidis, ISBN 978-1-4244-0032-4, vols. 1-15, pp. 4599-4602, 28th Annual conference of IEEE-EMBC, August 2006, New York, USA

### Conference Abstracts

Ma, E., McNeill, M., McDonough, S., Crosbie, J., Oliver, L., McGoldrick, C. Adaptive virtual reality games for rehabilitation of motor disorders, Proceedings of Human Computer Interaction International, July 2007, Greece.

Dunlop, P.S.M., Oliver, L.M., Byrne, J.A., McAdams, E.T. In line, on line, real time, detection of biofilm, Society for General Microbiology: Biofilm: A Systems Microbiology Analysis, March 2007, Limerick, Ireland.

## O'NEILL

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### Conference Abstracts

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## PORTER-ARMSTRONG

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Porter-Armstrong, A., Boniface, G., Nichol, M., Bannigan, K., Doherty, P. The POTTER Project: establishing National priorities for occupational therapy research. Annual Conference of the College of Occupational Therapists, June 2007, Manchester.

Crawford, SA., Walsh, D., Porter-Armstrong, A. Reliability of visually interpreting interface pressure maps. European Seating Symposium, May 2007, Dublin, Ireland .

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## STINSON

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Stinson, MD., Crawford, SA., Porter-Armstrong, A., 2007. Interface pressure measurements: Visual interpretation of pressure maps with MS clients. *Disability and Rehabilitation*, 27, pp. 1-7.

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## WILSON

### Conference Abstracts

Wilson I, Kerr D, Lennon S, Low back pain in people with a stoma: preliminary findings. Conference proceedings: Rehabilitation Therapies Research Society, April 2007, Belfast, Northern Ireland.

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O'Donnell, ME., Sun, Z., Winder, RJ., Ellis, PK., Lau, LL., Blair, PHB., 2007. Suprarenal fixation of endovascular aortic stent grafts: assessment of medium-term to long-term renal function by analysis of juxtarenal stent morphology. *Journal of Vascular Surgery*, 45 (4), pp. 694-700.

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Wulf, J., Golz, T., Busch, L. C., Hoch, J., Winder, J. CAD-generated design of customised silicone implant for reconstruction of pectus excavatum: a case report. Computer Assisted Radiology and Surgery Congress, June 2007, Berlin, Germany.

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Magee, J. D. M., McClelland, Winder R. J. Human Shape: How can measurements and modelling improve outcomes for patients with profound abnormalities of posture? Institute of Physics and Engineering in Medicine, January 2007, York, England.

Arthur, K., Magee, J. D. M., McClelland, B., Winder, R. J. Landmark image registration using an object model approach. Institute of Physics and Engineering in Medicine, January 2007, York, England.

Winder, R. J. The impact of 3D imaging and modelling on patient care. Research and Development Office Annual Meeting, September 2007, Belfast, Northern Ireland.

## 6. Research Funding (active grants)

| Staff Name(s)                              | Title of Award  | Funding Body                                       | Value    |
|--|---|--|----------|
| <b>Bradley, O'Neill</b>                    | RMAG: The Northern Ireland Pulmonary Rehabilitation Audit   | Regional Multidisciplinary Audit Group             | £27,000  |
| <b>Bradley, O'Neill</b>                    | 'Is the LifeShirt a useful clinical end point for trials in Cystic Fibrosis'  | Vivometrics Inc, US                                | £27,140  |
| <b>Fleming, Breen, Conway, Shields</b>     | "Flex and Ply"  | Wellcome Trust                                     | £122,000 |
| <b>Harte</b>                               | Travel award to World Congress of Physiotherapists, Vancouver, Canada   | Research and Development Office- RRG Cohesion fund | £1,294   |
| <b>Hazlett, Duffy</b>                      | An Epidemiological Study of Occupation Voice Demands and their Impact on the Call Centre Industry                     | Institute of Occupational Safety and Health        | £79,000  |
| <b>Kelly, McConkey, Casey</b>              | A Strategy for the Delivery of Autism Services in Northern Ireland  | National Autistic Society                          | £4,841   |
| <b>Lavery, Katherine</b>                   | Doctoral Fellowship   | R&D Office, Northern Ireland                       | £135,000 |
| <b>Lennon- Fraser</b>                      | Northern Ireland Stroke Research Network (NISRN)  | R&D Office, Northern Ireland                       | £7,900   |
| <b>Lennon- Fraser</b>                      | Leverhulme International Visiting Scholarship at Boston University and Columbia University                            | Leverhulme Foundation                              | £8,000   |
| <b>Lowe-Strong, Lennon-Fraser, Hawkins</b> | Group Exercise Therapy for Mobility and Balance in People with Multiple Sclerosis (MS): a Randomised Controlled Trial | R&D Office, Northern Ireland                       | £392,708 |
| <b>Martin, Susan</b>                       | Doctoral Fellowship   | R&D Office, Northern Ireland                       | £125,000 |

| Staff Name(s)                             | Title of Award  | Funding Body   | Value     |
|---|---|--|-----------|
| <b>Magee, McClelland, Winder</b>          | Spinal Imaging Computer Algorithm, January 2007   | Higher Education Innovation Fund                     | £4,178.45 |
| <b>McConkey, Kelly</b>                    | A Review of Mencap's Early Childhood Intervention Service at Segal House, Belfast   | Mencap   | £6,298    |
| <b>McDonough, Liddle, Walsh</b>           | Exercise and auricular acupuncture: a pilot double-blind randomised controlled trial investigating the effectiveness of a combined approach for chronic low back pain | R&D Office, Northern Ireland                         | £161,602  |
| <b>McDonough, Bleakley</b>                | The use of PRICE in the management of acute soft tissue injuries  | Physiotherapy Research Foundation                    | £56,651   |
| <b>McDonough, Crosbie, McNeill</b>        | Virtual reality, its use in the recovery of upper limb function following stroke  | Northern Ireland Chest, Heart and Stroke Association | £72,883   |
| <b>McDonough, Walsh, Porter-Armstrong</b> | Strategic Priority Fund   | Department for Employment and Learning               | £978,936  |
| <b>McVeigh</b>                            | Educational Travel  | Arthritis Research Council                           | £645      |
| <b>McVeigh</b>                            | Travel award to Annual European Congress of Rheumatology, Barcelona   | Research and Development Office- RRG Cohesion fund   | £750      |
| <b>Moorhead</b>                           | Research Methods for Clinical Trials  | Research and Development Office- RRG Cohesion fund   | £540      |
| <b>Moran, Bradley, Elborn</b>             | RCT: Is non – invasive ventilation a useful adjunct in physiotherapy airways clearance in patients with moderate to severe bronchietasis?                             | Northern Ireland Chest Heart & Stroke                | £17,800   |
| <b>Oliver</b>                             | Research Methods, Course, University of Birmingham  | Research and Development Office- RRG Cohesion fund   | £615      |

| Staff Name(s)   | Title of Award  | Funding Body                                       | Value      |
|---|---|--|------------|
| <b>Oliver</b>   | Travel award to the University of Umea Sweden   | Research and Development Office- RRG Cohesion fund | £500       |
| <b>Porter-Armstrong, O'Donnell, Stinson, Moorhead</b>         | Promoting the Easi Seating System: Developing interactive promotion material for sales and distribution | Higher Education Innovation Fund                   | £5,000     |
| <b>Porter-Armstrong, Stinson, Moorhead</b>                    | The development of the Easi Seating System  | Pre Proof of concept Funding                       | £10,000    |
| <b>Rakel, Amendola, McKay, Sluka, Vance, Walsh, Zimmerman</b> | Effect of TENS on Knee Osteoarthritis Pain, Hyperalgesia and Function                                   | National Institutes of Health (US)                 | \$100,000  |
| <b>Walsh</b>  | Cochrane Fellowship for 'TENS for Acute Pain'   | Research and Development Office, Northern Ireland  | £69,578    |
| <b>Walsh, McDonough, Porter Armstrong</b>                     | Centre for Rehabilitation Research  | Department for Employment and Learning (SRIF 2)    | £3,130,832 |
| <b>Wilson, Lennon- Fraser, Kerr</b>                           | Are people with stomas more likely to develop low back pain?  | Ileostomy and Internal Pouch Support Group         | £1,047     |
| <b>Winder</b>   | 3D surface imaging system   | Ulster Hospital Trust Fund                         | £2,500     |

## **7. Indicators of Esteem**

### **O'NEILL**

Dr Brenda O'Neill – University of Ulster Distinguished Research Fellowship Award 2006

### **Invited Presentation**

### **MCDONOUGH**

XII Symposium of the Polish Rehabilitation Society, Krakow, Poland, 2006

Combined Sections Meeting, American Physical Therapy Association, Boston, USA, 2007

Results from the CAM module, Life and Times Survey, Northern Ireland, 2007

British Medical Acupuncture Society, Northern Ireland, 2006

### **O'NEILL**

Irish Association of Chartered Physiotherapist in Respiratory Care, Advanced Respiratory Course, Dublin, Ireland, 2007

Northern Ireland Chest, Heart and Stroke, Respiratory Conference, 2006

British Thoracic Society, Pulmonary Rehabilitation course, Birmingham, 2006

### **Named Author on National/International Research presentation**

### **BLEAKLEY**

Association of Chartered Physiotherapists in Sports Medicine, Belfast, 2006

### **BRADLEY**

World Confederation for Physical Therapy, Vancouver, Canada, 2007

### **HARTE**

World Confederation for Physical Therapy, Vancouver, Canada, 2007

### **HUGHES**

European Society of Cardiac Radiology, Athens, Greece, 2006

International Society for Optical Engineering, San Diego, USA, 2007

## **CROSBIE**

2nd UK Stroke Forum, Harrogate, England, 2007

## **LENNON-FRASER**

MS Frontiers, Multiple Sclerosis Society Conference, London, 2007

The R&D Office Conference, R&D Office, Belfast, Northern Ireland, 2007

3rd World Congress of the International Association of Physical Therapists working with older people, Istanbul, Turkey, 2006

1st UK Stroke Forum, Harrogate, England, 2006

## **LIDDLE**

World Confederation for Physical Therapy, Vancouver, Canada, 2007

American Physical Therapy Association, Combined Sections Meeting, Boston USA, 2007

## **LOWE-STRONG**

MS Frontiers Multiple Sclerosis Society Conference, London, 2007

World Confederation of Physical Therapy, Vancouver, Canada, 2007

Fourth Annual Psychology, Health and Medicine Conference, Maynooth, 2007

## **McVEIGH**

Annual European Congress of Rheumatology, Barcelona, Spain, 2007

Rehabilitation and Therapy Research Society Annual Conference, University of Ulster, Belfast, 2007

## **MORAN**

American Thoracic Society, San Francisco, USA, 2007

## **O'NEILL**

World Confederation for Physical Therapy, Vancouver, Canada, 2007

Northern Ireland Chest, Heart and Stroke Association (3rd Scientific) Conference, Belfast, Northern Ireland, 2007

## **PORTER-ARMSTRONG**

Annual Conference of the College of Occupational Therapists, Manchester, 2007

European Seating Symposium, Dublin, 2007

Association of Physical Scientists in Medicine, Dublin, 2007

Posture and Mobility Group, Warwick, England, 2007

## TITTERINGTON

Child Language Seminar, University of Reading, England, 2007

## TULLY

British Association of Cardiac Rehabilitation, Belfast, Northern Ireland, 2006.

## WALSH

European Seating Symposium, Dublin, 2007

## WINDER

Medical Image Computing and Computer Assisted Intervention Copenhagen, Denmark, 2006.

Innovations in Manufacturing, 23rd International Manufacturing Conference, Belfast, Northern Ireland, 2006

European Society of Cardiac Radiology, Athens, Greece, 2006

Society of Photo-Optical Instrumentation Engineers, International Society for Optical Engineering, San Diego, USA, 2007.

European Congress of Radiology, Vienna, Austria, Vienna, 2007.

Computer Assisted Radiology and Surgery Congress, Berlin, Germany, 2007.

### **Impact of Research on Government Policy**

## McDONOUGH

Contributor to the UK Government Medicine and healthcare Products Regulatory Agency (MHRA) document on ' Guidance on the safe use of lasers and other intense light sources in medical, cosmetic and dental practice, 2006/07.

### **Impact of Research on National or International Practice Development**

## BRADLEY

Co-ordinator and clinical moderator for European Centres of Reference Network for Cystic Fibrosis.

## LENNON

National Physiotherapy Representative on the Intercollegiate Working Party for Stroke (IWPS) at the Royal College of Physicians (RCP, London)

## MCDONOUGH

Baxter, D., Bazin, S., Diffy, B., Docker, M., Dyson, M., Kitchen, S., Maskill, S., McDonough, S., Reed, A., Skinner, D., Walsh, D., Watson, T., 2006. Guidance for the clinical use of electrophysical agents, Chartered Society of Physiotherapy.

## PORTER-ARMSTRONG

Brannigan, K., Boniface, G., Doherty, P., Nicol, M., Porter-Armstrong A, Scudds, R., Priorities for Occupational Therapy Research in the UK: A strategic overview, 2006, College of Occupational Therapists, London.

Brannigan, K., Boniface, G., Doherty, P., Nicol, M., Porter-Armstrong, A, Scudds, R., The POTTER project, 2006, College of Occupational Therapists, London.

## WALSH

Baxter, D., Bazin, S., Diffy, B., Docker, M., Dyson, M., Kitchen, S., Maskill, S., McDonough, S., Reed, A., Skinner, D., Walsh, D., Watson, T., 2006. Guidance for the clinical use of electrophysical agents, Chartered Society of Physiotherapy.

### **Chairing or Membership of Distinguished Committees related to Research**

## BLEAKLEY

Organising committee, Rehabilitation Therapy and Research Society (RTRS) Annual Conference, 2007, University of Ulster.

## BRADLEY

Member of the Research and Development Office Bursary Panel  
Member of the peer review team on behalf of Cystic Fibrosis Trust, Cystic Fibrosis centre in UK  
Member of the British Lung Foundation  
Member of the research advisory committee, UK Cystic Fibrosis Trust

## LENNON

Member of Executive Committee of the Trauma and Rehabilitation Recognised Research Group (Northern Ireland R&D Office).  
Member of the UK Stroke Research Network Operational Steering Group 2006/7  
Northern Ireland Representative on the National Physiotherapy Research Network (CSP, London)

## LIDDLE

Committee Member of the Physiotherapy Research Society  
Organising committee, Rehabilitation Therapy and Research Society Annual Conference, 2007

## MCDONOUGH

Member of the International Programme Committee for ICDVRAT (virtual reality) conference  
Member of the University of Otago, New Zealand international steering committee.

Member of the Scientific Panel for the Chartered Society of Physiotherapy.  
Committee member of the UK Acupuncture Association for Chartered Physiotherapists  
Member of the UK CAMSTRAND (Complementary and Alternative Medicine Strategies and Development Group)

Chair of the All Ireland based Rehabilitation and Therapy Research Society.  
Organiser of an international workshop on 'Activity monitoring in rehabilitation' with invited speakers from Sweden, New Zealand, Ireland and UK, University of Ulster, 2007.

## O'NEILL

Member of the British Lung Foundation

## PORTER-ARMSTRONG

Organiser of a European Workshop on 'Pressure Management by the Health Care Team', European Seating Symposium, Dublin, 2007

## TITTERINGTON

Member of Belfast Trust Research Governance Committee

### **Service on, or invitations to join, Government, National or International Bodies or Professional Advisory Bodies, relevant to Research**

## BRADLEY

Co – clinical lead of Northern Ireland Clinical Research Network - Respiratory health.

## LENNON

Co-clinical lead of Northern Ireland Clinical Research Network – Stroke

## McDONOUGH

Member of the International Association of Journal Editors in Physiotherapy, 2007.

Member of the International Society of Electrophysical Agents, 2007.

## O'NEILL

Member of the Northern Ireland Regional Respiratory Forum

## TITTERINGTON

Clinical Advisor to Royal College of Speech and Language Therapists

### **Editorial Activities (Including, for example, membership of the editorial boards of journals)**

## BLEAKLEY

Peer reviewer: Physical Therapy Reviews

Peer reviewer: Physical Therapy in Sport

Peer reviewer: British Journal of Sports Medicine

Peer reviewer: Australian Journal of Sports Medicine

Peer reviewer: Clinical Journal of Sports Medicine

## BRADLEY

Co- Editor for the Association of Chartered Physiotherapists in Respiratory Journal

Peer reviewer: Thorax

Peer reviewer: European Respiratory Journal

Peer reviewer: Physical Therapy Reviews

## **DUNWOODY**

Peer reviewer: Psychology and Health  
Peer reviewer: Perceptual and Motor Skills  
Peer reviewer: Medicine, Science, Sport and Exercise

## **GARDNER**

Statistical advisor for the British Journal of Oral & Maxillofacial Surgery

## **KERR**

Peer reviewer: Physiotherapy  
Peer reviewer: Complementary Therapies in Medicine

## **LENNON**

Editorial board member: Physical Therapy Reviews

## **LIDDLE**

Peer reviewer: Arthritis Research Council  
Peer reviewer: Annals of Internal Medicine  
Peer reviewer: Canadian Medical Association Journal  
Peer reviewer: Preventive Medicine  
Peer reviewer: NICE Guideline Development Group Scope Consultation on Low Back Pain  
Peer reviewer: Physical Therapy Reviews  
Editorial consultant: American College of Physicians Information and Education Resource

## **MCDONOUGH**

Associate Editor in Chief: Physical Therapy Reviews  
Peer reviewer: British Medical Journal  
Peer reviewer: Complementary Therapies in Medicine  
Peer reviewer: British Journal of Sports Medicine  
Peer reviewer: Manual Therapy  
Peer reviewer: Developmental Medicine and Child Neurology  
Peer reviewer: Physiotherapy  
Peer reviewer: Physical Therapy Reviews  
Peer reviewer: Journal of Pain

## **MCVEIGH**

Editorial advisory board: Physiotherapy Ireland  
Book review editor: Physiotherapy Ireland  
Peer reviewer: Musculoskeletal Care

## **MOORHEAD**

Peer reviewer: International Journal of Obesity

## **MORAN**

Peer reviewer: Association of Chartered Physiotherapists in Respiratory Care

## **OLIVER**

Book editor: Journal of Physical Therapy Reviews

## **O'NEILL**

Co –editor: Association of Chartered Physiotherapists in Respiratory Care Journal

Peer reviewer: Clinical physiology and Functional Imaging

Peer reviewer: Physiotherapy

Peer reviewer: British Lung Foundation Exercise in Respiratory Disease Instructors Course

Peer reviewer: Physical Therapy Reviews

Peer reviewer: International Journal Clinical Practice

Peer reviewer: BMJ Drug and Therapeutics Bulletin

## **PORTER-ARMSTRONG**

Peer reviewer: Assistive Technology

Peer reviewer: Clinical Rehabilitation

## **TULLY**

Peer reviewer: British Medical Journal

Peer reviewer: Preventive Medicine

Peer reviewer: Medicine and Science in Sports and Exercise

Peer reviewer: Medical Education

## **WINDER**

Editorial advisory board: British Journal of Oral and Maxillofacial Surgery

Peer reviewer: British Journal of Oral and Maxillofacial Surgery

Peer reviewer: British Journal of Radiology

Peer reviewer: Journal of Endovascular Therapy

Peer reviewer: Investigative Radiology

Peer reviewer: Rapid Prototyping Journal