School of Life Sciences

The Movement Science Group

Our Mission:
- In the Movement Science Group we work with people with conditions affecting their movements and mobility to improve and optimise their participation in everyday activities.
- Our research, teaching and exercise provision activities are led by a Steering Group composed of people with a range of movement disorders who direct our work to address issues of concern to those people whose lives are affected.
- We have excellent facilities and equipment and our own Clinical Exercise and Rehabilitation (CLEAR) Unit where we carry out many of our activities; we are constantly updating and improving our facilities.
- We involve undergraduate and postgraduate students directly in all our activities because we believe in the importance of direct dissemination of our knowledge and expertise.

Who we work with:
We are currently working with people with a range of conditions affecting movements and mobility including:
- Huntington’s disease
- Multiple Sclerosis
- Stroke
- Acquired brain Injury
- Developmental Coordination Disorder
- Parkinson’s disease
- Muscular Dystrophy and other progressive neuromuscular conditions
- Cerebral palsy
- Motor neurone disease
- Paralympic dressage riders
- Spinal cord injury
- Amputees
- Respiratory conditions

Where we work:
- Human Performance Laboratory, Oxford Brookes University
- Clinical Exercise and Rehabilitation (CLEAR) Unit, Centre for Sport, OBU
- In local NHS Trusts
- In the community
- With charitable organisations
Our activities include:

- Training of fitness and health professionals – from work experience training to postgraduate education and research.
- Research into optimal safe exercise for people with movement disorders, novel exercise delivery approaches, safe effective walking techniques for people who cannot move.
- Supporting effective exercise prescription for people with a range of disabilities through the CLEAR Unit.
- Dissemination of our findings locally, nationally and internationally, through a range of media including TV, radio, magazines, conference presentations/scientific papers, undergraduate and postgraduate teaching.

We are seeking financial support to:

- Fund our Steering Group to meet four times a year.
- Establish vocational bursaries to train EU and international students in the CLEAR Unit.
- Provide academic bursaries to fund MPhil/PhD study with the Group, working on questions developed by people with movement disorders and their carers.
- To enable concessions for people in the CLEAR Unit.
- Progress our research, for example excavating a pit in the CLEAR Unit for our special treadmill, so that people who cannot walk can gain access and use it.
- Buy special exercise equipment for children and adults.