

**'...researching independence, quality of life and dignity after spinal cord injury...'**

### 1. Understanding causes and solutions of SCI Pain: SPINAL PAIN

Research Team: (PI) Dr John Riddell, Dr Joziem Goense, Dr Guillaume Rousselet, Dr Aleksandra Vuckovic, Prof Bernard Conway, Dr Margaret Purcell, Mr Matthew Fraser, PhD Student Alison Symon

Locations: University of Glasgow, Queen Elizabeth University Teaching Hospital Glasgow

Duration/Dates/Cost: 42 months/ October 2017 – January 2022

**Total project costs: £168,670**

### 2. Development of a FES Device for the Promotion of Hand Function in incomplete tetraplegia: TETRAGRIP II

Research Team: (PI) Professor Ian Swain, Dr Paul Taylor, Ms Catherine Whitmarsh

Locations: Bournemouth University

Duration/Dates/Cost: 36 months December 2018 - August 2022

**Total project costs: £240,883**

### 3. Development of Abdominal FES device to improve respiratory function in acute SCI: Abdominal FES.

Research Team: (PI) Dr Henrik Gollee, Dr Mariel Purcell, Dr Chris Hawthorne

Location: Queen Elizabeth National Spinal Injuries Unit, Glasgow

Duration/Dates/Cost: 18 months / August 2018 extended to February 2022

**Total project costs: £112,332**

### 4. Recruitment of Antagonist Muscle Pairs (RAMP) using electrical stimulation to maximise bone stimulation in paralysed limbs of people with SCI: RAMP ES

Research Team: (PI) Dr Sylvie Coupaud, Dr Alex Ireland, Dr Mariel Purcell

Locations: Queen Elizabeth National Spinal Injuries Unit and University of Strathclyde, Glasgow

Duration/Dates/Cost: 36 months / June 2018 – December 2021

**Total project costs: £108,238**

### 5. Neuromodulation to control bladder over-activity following Spinal Cord Injury with the development and long term assessment of wearable devices: NEUROMOD II

Research Team: (PI) Dr Lynsey Duffell, Dr Sarah Knight, Dr Anne Vanhoostenberghe, Dr Sean Doherty

Locations: University College London, London Spinal Cord Injury Centre, RNO Hospital Stanmore

Duration/Dates/Cost: 30 months / January 2019–December 2022

**Total project costs: £225,278**

### 6. Abdominal Functional Electrical Stimulation (ABFES) for Bowel Management: BOWMAN

Research Team: (PI) Dr Tamsyn Street, Dr Aram Mashoof Fard, Dr Rupert Earl\*, Dr Chalil Vinod, Dr Sean Doherty\*, Dr Paul Strike, Dr Samir Vyas, Ms Mel Williams. (\* SCI Patient Perspective Advisors)

Locations: Salisbury NHS Foundation Trust

Duration/Dates/Cost: 36 months/ February 2021-2024

**Total project costs: £163,806**

### 7. Recovery of function through cycling therapy with virtual reality biofeedback in chronic SCI: iCYCLE II

Research Team: (PI) Prof Nick Donaldson, Dr Lynsey Duffell, Prof Jane Burrige, Mr Maurizio Belci

Locations: Royal National Orthopaedic Hospital, Stanmore & Stoke Mandeville Hospital

Duration/Dates/Cost: 20 months/November 2019 – June 2021/ 50% funding by INSPIRE **Total project costs: £91,216**

### 8. Electroencephalograph predictors of central neuropathic pain in subacute SCI PAIN PREDICT

Research Team: (PI) Dr Aleksandra Vuckovic, Dr Mariel Purcell

Locations: University of Glasgow & Queen Elizabeth National Spinal Injuries Unit

Duration/Dates/Cost: 30 months / April 2021 –September 2023

**Total project costs: £190,988**

### 9. Functional activity of upper extremities for improved trunk function after SCI: TRUNK FUNCTION

Research Team: (PI) Dr Shin-Yi Chiou, Dr Paul Strutton, Mr JR Chowdhury, Prof Deborah Falla, Dr Eduardo M-Valdes

Locations: University of Birmingham

Duration/Dates/Cost: 36 months/January 2021–December 2024 50% funding by INSPIRE **Total project costs: £98,745**