



## THINK CLEARER-

## IMPROVE GAIT

## WHAT IS PROPRIOCEPTION?

**Hilton Hotel Gateshead**  
Saturday 13th January 2024

# Schedule

8.30 am	Registration
8.45 am	Introductions
9.00 am	What is proprioception, and can we improve motor control by impacting on it?
9.30 am	Intelligent materials, can they influence movement?
10.00 am	Promoting improved sensory awareness/proprioception using compression.
10.30 am	Coffee & Exhibition
11.00 am	The effect of ankle orthoses on balance and proprioception.
11.30 am	Understanding clinical subgroups, proprioceptive interventions and therapeutic exercises in people with musculoskeletal pain.
12.15 pm	Lunch & Exhibition
1.30 pm	Cognitive overload – how can orthotic devices contribute to minimising mental workload?
2.30 pm	Speaker Questions & Discussion
3.30 pm	Close

# Speakers



### Professor Stuart Baker

- Stuart Baker is Professor of Movement Neuroscience at Newcastle University. His research explores fundamental principles of how brain and spinal cord centres work together to coordinate voluntary movements.



### Laura Salisbury

- Laura is a Research Fellow at the Helen Hamlyn Centre for Design (HHCD), one of six constituent research centres at the Royal College of Art (RCA), London and Founder & CEO of InnovationRCA start-up KniRegen. Her research group at the HHCD explores the use of smart textiles as a method to disrupt motor recovery following ischemic stroke.



### Pam Cowens

- Pam is a Clinical Specialist Physiotherapist and trained in Newcastle in 1981. Her experience includes spinal injuries, adult community neurology and acute and community paediatrics. She moved to Gateshead in 1988 to develop the service for children with cerebral palsy first for SCOPE and then for the Trust.



### Andrew Frame

- Andrew Frame is an Orthotist working for Peacocks with 15 years of clinical experience gained working at The National Hospital for Neurology and Neurosurgery in London. He specialises in orthotics care for neurological patients, having lead the Complex Neuro Orthotics MDT Clinic at NHNN, and now works at Walkergate Park Centre for Neurorehabilitation in Newcastle.



### Professor Jim Richards

- Professor Richards' research includes the clinical application of biomechanics, the development of new assessment tools for chronic disease, conservative and surgical management of orthopaedic and neurological conditions, and the development of evidence based approaches for improving clinical management and rehabilitation.



### Professor Nerrolyn Ramstrand

- Nerrolyn was educated as a Prosthetist/Orthotist at LaTrobe University and obtained her doctoral degree from the same institution. She is currently a full professor of Prosthetics and Orthotics and advisor to President's office at Jönköping University, Sweden.

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