



ADVANCED

# Brains, Pains, Lasers & You!



Rehacare

## PROGRAMME

### SATURDAY

7:30 – 8:00am: **Registration**

8:00 – 9:30am: Introduction to neurophysiology, neuronal pathophysiology and laser research on the CNS

- The neurodegenerative condition epidemic
- Current models of brain based care
- Introduction to laser physiology
- The Brain-Gut axis, gut microbiome and adipose

9:30 - 9:45am: **Morning Tea/Coffee (Stretch break)**

9:45 - 11:15am: Functional neuro-orthopaedic rehabilitation principles

- FNOR overview
- FNOR matrix
- Nociception/noxious stimuli-neurogenic inflammation
- Fundamentals of neural plasticity in rehab

11:15 - 12:15pm: **Lunch break (Product demonstration)**

12:15 – 2:00pm: Pain

- Periphernal pain sensitisation
- Centralisation of pain
- Low level laser studies and pain
- Advanced pain treatment strategies

2:00 - 2:15pm: **Afternoon Tea/Coffee (Stretch break)**

2:15 – 3:30pm: Common pain conditions and treatment strategies

- Low back pain
- Headaches
- Extremity conditions
- Complex pain conditions

3:30 - 5:00pm: Hands-on laser demonstration

### SUNDAY

8:00 – 9:30am: Concussion

- Concussion overview
- Neurometabolic cascade
- Pathophysiology
- Symptoms, phenotypes & persisting symptoms
- SCAT6 & SCOAT6

9:30 - 9:45am: **Morning Tea/Coffee (Stretch break)**

9:45 – 12:00 pm: Brain neurochemistry, lifestyle and condition specific protocols

- Neurotransmitter conditions and other condition specific protocols
- Basic nutrition and lab testing
- Traumatic brain injury
- HP axis dysfunction

12:00 - 12:45pm: **Lunch break (Product demonstration)**

12:45 – 2:00pm: Summary review of research, physiology, clinical applications, technique and case studies

- Q&A