

**Clinical Movement Analysis Society - UK and Ireland
Statement of Purpose Form**



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|--------------------|---|
| Name of Laboratory | The Institute of Motion Analysis & Research |
| Address | TORT Centre Ninewells Hospital Dundee DD1 9SY |
| Telephone number | 01382 425746 |
| Email | imar@dundee.ac.uk |
| Website | http://www.dundee.ac.uk/orthopaedics/ |

Please provide a brief description of your laboratory – history, location, etc. Also describe main activities – clinical/teaching/research (maximum 150 words).

It has five biomechanics laboratories: The gait assessment lab, sports biomechanics lab, foot pressure measurement lab, upper limb assessment lab and materials testing lab. IMAR exists to provide patients, healthcare professionals, healthcare providers, legal practitioners and other relevant professionals with a quantified motion analysis service. It provides objective, detailed, evidence-based guidelines in relation to motion analysis to assist in the management of individuals with movement disorders.

In addition to clinical services, it provides the facilities and expertise for students to undertake research in biomechanics and movement analysis. The department also runs both in house and distance learning courses in motion analysis from certificate to PhD level.

IMAR provides this using a combination of clinically trained and experienced motion analysis staff in liaison with other experienced healthcare professionals with primarily neurological, orthopaedic and rehabilitation experience. The motion data are collected using a combination of commercially available systems.

Host Institution

| | |
|--------------------------|-------------------------------------|
| NHS Trust | <input type="checkbox"/> |
| University/Academic | <input checked="" type="checkbox"/> |
| Private Company | <input type="checkbox"/> |
| Other...(please specify) | |

Staffing

| | Employed by laboratory | Available for consultation |
|---|--|--|
| Orthopaedic Surgeon | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Rehabilitation Consultant | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Paediatrician | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Neurologist | <input type="checkbox"/> | <input type="checkbox"/> |
| Physiotherapist | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sports Scientist | <input type="checkbox"/> | <input type="checkbox"/> |
| Bioengineer (Clin Sci) | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Orthotist | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Prosthetist | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Podiatrist | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| Others (please specify: Physicist IT specialist Mechanical engineer Professor in Biomechanics | <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> | <input type="checkbox"/> <input type="checkbox"/> |

Named Staff

| | Name | Email | Phone |
|----------------|------------------|-------------------------|--------------|
| Main contact | Prof Rami Abboud | r.j.abboud@dundee.ac.uk | 01382 496332 |
| Clinical Lead | Mrs Sheila Gibbs | s.gibbs@dundee.ac.uk | 01382 496288 |
| Technical Lead | Mr Graham Arnold | g.p.arnold@dundee.ac.uk | 01382 740158 |

Clinical Expertise

- please indicate if you have a major interest in this area, a minor interest or would not accept a referral (excluded)

| | Adults | Children |
|--------------------------|---------------|-----------------|
| Cerebral Palsy | Major | Major |
| Neuromuscular disorders | Major | Major |
| Orthopaedics | Major | Major |
| Spinal injuries | Minor | Minor |
| Stroke | Minor | Minor |
| Orthotics | Major | Major |
| Orthotic tuning | Major | Major |
| Prosthetics | Minor | Minor |
| Sports | Minor | Minor |
| Others (please specify:) | | |

Testing Available

| | |
|---|---|
| Orthogonal video filming | <input checked="" type="checkbox"/> |
| Video vector technology | <input type="checkbox"/> |
| 3D movement analysis | <input checked="" type="checkbox"/> |
| Force plate | <input checked="" type="checkbox"/> |
| Electromyography | <input checked="" type="checkbox"/> |
| Plantar pressure measurement - barefoot | <input checked="" type="checkbox"/> |
| Plantar pressure measurement – in shoe | <input checked="" type="checkbox"/> |
| Energy cost measurement (oxygen/HR) | <input checked="" type="checkbox"/> |
| Balance assessment | <input type="checkbox"/> |
| Upper limb assessment | <input checked="" type="checkbox"/> |
| Other (please specify) | |
| Saddle pressure measurement | <input checked="" type="checkbox"/> <input type="checkbox"/> |

Levels of Reporting (tick all that are available)

| | |
|--|-------------------------------------|
| Graphs/Data only | <input checked="" type="checkbox"/> |
| Written description of movement and deviations | <input checked="" type="checkbox"/> |
| Treatment recommendations | <input checked="" type="checkbox"/> |