Dr Simon Grange

MB ChB MSc PhD FRCS(Eng) FRCS(Tr&Orth)

AI adoption · Clinical innovation · Systems thinking

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Profile

My work crosses medicine, engineering, computing and education. Three decades of clinical practice and translational research inform how I approach intelligent systems: start with people, understand the context, and build something useful. Today my interests include agentic AI, privacy-preserving ontologies, simulation and the networks that help people work together.

Current focus

Agentic AI, privacy-preserving ontologies and digital twin care pathways; research and publishing that connect specialist insight with practical systems.

Education and professional qualifications

PhD, Artificial Intelligence | In progress
University of Birmingham
Thesis in write-up: agentic AI, privacy-preserving ontologies and digital twin care pathways.

LLM, Cyberlaw and AI | In progress
Abu Dhabi University
Expected completion April 2027; not an awarded qualification.

MSc, Artificial Intelligence | 2021
Heriot-Watt University Dubai

PhD, Engineering and Computer Science | 2006
University of Exeter

FRCS, Trauma and Orthopaedics | 2004
Royal College of Surgeons of England

FRCS England | 1997
Royal College of Surgeons of England

MB ChB | 1991
University of Bristol

The additional AI PhD and LLM remain in progress. Professional qualifications and history are self-reported; institutional links do not imply endorsement. FRCS (Trauma & Orthopaedics): 2004, confirmed by the profile owner.

Selected professional experience

2025–present | Grange Specialist Services Ltd

Applied AI research and business transformation
Connecting research, network technologies and venture development through GSS, alongside doctoral research in agentic AI.

June–September 2025 | Foster + Partners

Interdisciplinary collaboration
Human–machine interaction and hospital digital twins, connecting clinical expertise with building design and medical technology.

2022–2024 | Burjeel Medical City

Senior Consultant Orthopaedic Surgeon
Trauma and orthoplastics service development, with research, tumour-board and institutional review responsibilities.

2015–2022 | Zayed Military Hospital

Senior Consultant Orthopaedic Surgeon
Clinical leadership, trauma improvement and emergency preparedness.

2010–2015 | UK and Canadian clinical and research teams

Consultant Shoulder and Elbow Surgeon
Specialist clinical practice and translational research in robotics and rehabilitation, with teaching and research at the University of Alberta and collaboration with Calgary's McCaig Institute.

2007–2010 | Royal National Orthopaedic Hospital

Academic Consultant and Associate Research Director
Research portfolio leadership, clinical research governance and postgraduate education, including research methodology and statistics teaching at UCL.

Selected publications

AI Managing Agent-Based Healthcare Processes

Simon Grange, Pearl Rwauya, Safa Alameri and Rami Bahsoon. AAAI/ACM Conference on AI, Ethics, and Society, 8(2), 1144–1152 (2025).

Tissue Engineering Stem Cells – An e-Governance Strategy

Simon Grange. The Open Orthopaedics Journal, 5, 276–282 (2011).

Connected work

GSS · Incisive Publishing · DaVinci Institute · Incisive Academy

Public summary based on the professional CV dated 21 October 2026, with owner-confirmed corrections. Residential details, private email, UK mobile, referees and original CV documents are excluded. The maintained web version is at simongrange.me/cv/.