

Prof. Edward Draper

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CEO & TECHNOLOGY RESEARCH BUSINESS MANAGER

An accomplished and naturally creative **Scientist / Entrepreneur and Innovation Professional** with a high degree of commercial acumen and entrepreneurial flair, demonstrated through an outstanding record of the co-development of complex novel and radical MedTech/Implantable Medical Devices through multi-disciplinary consortia, with over a decade's experience medical device and healthcare business development.

An inspirational team leader who leads through a deep understanding of the sciences involved in new biomedical technologies. A communicator with exceptional influencing skills and a charismatic management style to create effective teams and motivate people to work to a consistently high standard in a wide range of challenging situations.

CORE COMPETENCIES

✓ Translation of complex MedTech projects	✓ MedTech and diagnostics
✓ UK & EU Government grant funding	✓ Implants and regenerative medicine
✓ Governmental input on industrial strategy	✓ IP portfolios / revenue strategies
✓ University and Regional Advisory Boards	✓ IPR and resulting government benefits
✓ Identify high-value spin-out opportunities	✓ CE Mark, FDA & other global approvals
✓ Build tax-effective investment offerings	✓ ISO 9001 / ISO 13485
✓ Leadership / cross-disciplinary teams	✓ Experience of how to make teams better
✓ Excellent communication skills	✓ Long-term strategy based on personal vision

PROFESSIONAL EXPERIENCE

CHIEF EXECUTIVE OFFICER

(FOUNDER JAN 2016) FULL INDEPENDENCE JUN 2019 TO DATE

ORTHEIA LTD, LONDON, UK – British Independent MedTech Start-Up company passionate about getting novel complex medical device technologies through all development stages and launch to patients and markets across the globe.

- ◆ Three core technologies: Antimicrobial Synthetic Bone Graft Substitutes, Advanced Minimally Invasive Instrumentation and Joint Surface Regeneration.
- ◆ Multi-disciplinary collaborations with top SMEs and top UK Universities including Cambridge, UCL and Sheffield (Visiting Professor).
- ◆ Grant-funded including: Innovate UK £900k.

TECHNOLOGY RESEARCH BUSINESS MANAGER

JAN 2016 TO JUN 2019

EXECUTIVE INNOVATION MANAGER, HEAD OF R&D

JAN 2011 TO DEC 2015

JRI ORTHOPAEDICS, SHEFFIELD, UK – British company committed to delivering innovative and quality orthopaedic solutions for healthcare providers and patients worldwide – Turnover £14 Million – Employees 110.

Spearhead 3 teams, Regulatory, New Product Development and Technology Development – Internal Budget £1.1 Million pa with 3 Managers across a team of 25 – External grant funding £9.7 Million across 11 projects.

- ◆ Built a grant-funded technology development portfolio from nothing to £12.5M in 4 years
- ◆ Governmental advice on Life Sciences Industrial Strategy – SME representative to Jeremy Hunt Secretary of State for Health.

KNEE PRODUCT AND PROJECT MANAGER

OCT 2008 TO DEC 2010

FINSBURY ORTHOPAEDICS, LEATHERHEAD, UK – A groundbreaking firm at forefront of medical engineering – Design and manufacture of artificial hip and knee joints – Other branches in Germany, Turkey and Australia – Turnover £25 Million – Employees 250.

Led a team of up to ten design engineers – Work included surgeon liaison, complex design of a knee system, performing full risk assessments, collating technical files and building the design dossier and making the submission for CE Mark and FDA approval – Budget £2 Million p.a. – Direct Reports 5 (expanding to 10).

- ◆ Led the design, regulatory submission and successful launch in UK and Australia of a new knee replacement - Provided technical support throughout and produced market predictions for sales post launch.
- ◆ Formalised the approach to the International Surgeon Panel – Encompassed formal design-input protocols, formal surgeon training – including personal supervision of first implantations in UK and Australia.

ENTREPRENEUR

Nov 2007 to Oct 2008

LONDON, UK - Self-funded and self-employed performing scientific research leading to design and development of a new assessment technology for early-stage osteoarthritis.

- ◆ Built team across 2 London-based universities to establish the fundamentals of the use of laser spectroscopy in diagnosing early-stage osteoarthritis with Chemistry Dept UCL and Orthopaedic Dept at the Royal Veterinary College.
- ◆ Supervised the writing and submission a new patent for the diagnostic technique – Building excellent relationships with the Technology Transfer Companies of both Universities, including **UCL Business**, defining future translational routes.

ORTHOPAEDIC BIOENGINEERING FELLOW

JAN 1997 TO JAN 2005

IMPERIAL COLLEGE LONDON, LONDON, UK – Rated among the world’s best universities and has a reputation for teaching and research in science, engineering, medicine and management.

Member of management team that set up the **Imperial College School of Medicine** and sat on the Executive Committee of the Division of Surgery – Developed non-invasive techniques for the treatment of osteoarthritis of the knee.

- ◆ Successfully built own Bioengineering Module for the Undergraduate Medical Course.
- ◆ Sole inventor of an implantable device for osteoarthritis of the knee through reduced the load carried by the joint. Launched by **Moximed** through **Imperial Innovations** across worldwide as the Kinespring© and Atlas©

ORTHOPAEDIC BIOENGINEERING FELLOW

JAN 2005 TO OCT 2007

ROYAL VETERINARY COLLEGE & UCL, LONDON – RVC is one of the world's leading specialist veterinary institutions with a unique heritage of innovation in veterinary and biomedical sciences, clinical practice and education – **UCL** is one of the top universities globally for Academic excellence and conducting research that addresses real-world problems.

Joint appointment personally setup between the Institute of Orthopaedics and Musculoskeletal Sciences, UCL and the Department of Orthopaedics, Royal Veterinary College – Accountable for developing new regenerative approaches to skeletal tissue repair, including bone tissue, cartilage and ligament.

- ◆ Utilised excellent working knowledge across several disciplines, including microbiology, biochemistry, genetics and bioengineering – Gained grants and published scientific papers.
- ◆ Key role in creating a portfolio of grants for skeletal tissue weakness and diseases such as osteoarthritis.

EARLY CAREER

Orthopaedic Fellow - Royal Postgraduate Medical School, Orthopaedic Surgery
Principal Bioengineer - NHS Bioengineering Centre

QUALIFICATIONS & MEMBERSHIPS

PhD - Bioengineering – University of Strathclyde, Glasgow, UK
BSc (Hons) - Engineering Science (Mechanical) – University of Edinburgh
Fellow - Institution of Mechanical Engineers – Chairman (past), South Yorkshire Area Committee
Fellow – Institute of Biomedical Science
Chartered Engineer – Engineering Council
Chartered Scientist – Science Council

RECENT PROFESSIONAL AWARDS

Business of the Year, North of England Excellence Awards – Winning Team – 2015
Early Stage Impact Award University of Sheffield – Winning Team – 2014
KTP - Best of the Best Technology Strategy Board - Finalist - 2012
Innovation Award - Medilink Healthcare Business Awards – Winning Team - 2011
Meggers Award, Society for Applied Spectroscopy – Winning Team - 2006
British Orthopaedic Research Society, Stanmore - 2nd Prize -2005