

Alan McLeod PhD

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CAREER SUMMARY

Successful and highly experienced NHS innovation support professional with expertise in the areas of innovation evaluation, intellectual property assessment and protection, development of concept clarifying prototypes, obtaining feedback, licensee identification and licence negotiation. Innovation support success based on a twenty-five year career in medical device Research and Development with responsibilities ranging from innovative concept development to protection of intellectual property, establishing business plans, negotiating the regulatory pathway, prototype production, risk management, management of verification and validation testing including clinical evaluations/investigations and finally product marketing. Proven communicator at all levels of development life cycle from innovators and manufacturing operators to surgeons and regulatory personnel.

WORK EXPERIENCE

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| HEALTH INNOVATION SUPPORT
Managing Director 2017 – to date | <ul style="list-style-type: none">▪ Innovation Consultancy supporting NHS Trusts and companies working with the NHS to turn innovative ideas into a reality |
| NHS INNOVATIONS SOUTH WEST
Business Development Manager
2016 – 2017 | <ul style="list-style-type: none">▪ Secondment to Innovation Hub to provide continuity of innovation support following restructuring of SW AHSN▪ First 8 innovations either launched, licensed or at Heads of Terms |
| SOUTH WEST ACADEMIC
HEALTH SCIENCE NETWORK
Innovation and IP Manager
2013 – 2016 | <ul style="list-style-type: none">▪ Developed an Innovation Pathway comprising Innovation Lead and Support Group now adopted at all South West Acute Trusts▪ Created foundation for Innovation by putting in place Regional Agreements on non-disclosure, revenue share between Trusts and innovators, ownership of IP and an IP Assignment Package▪ Assisted with the evaluation of 105 NHS innovations▪ Provided direct support for 38 NHS innovations ranging from concept prototyping, obtaining Regional feedback, licensee identification and licensee relationship management |
| NHS INNOVATIONS SOUTH WEST
Business Development Manager
2012 – 2013 | <ul style="list-style-type: none">▪ Support for NHS innovations including innovation generation, evaluation, IP protection, prototype development and licensing▪ Project Manager for a Trust's meniscus stabilisation innovation▪ Contract negotiation on behalf of NHS Trusts |
| FLEXIBLE MEDICAL SOLUTIONS
LIMITED
Director and Consultant 2009 – 2011 | <ul style="list-style-type: none">▪ Regulatory Consultant for Concept Spine Ltd▪ Management of final setting up Post Market Surveillance Study for NuVasive Inc until termination of study in 2010▪ Consultancy regarding business development opportunities for non-spinal embroidered implants such as a Rotator Cuff device |
| NUVASIVE (UK) LIMITED
Director, Development,
Embroidery Technology
2005 – 2009 | <ul style="list-style-type: none">▪ Managed setting up a Post Market Surveillance study of the NeoDisc in the UK▪ Managed data analysis from the NeoDisc IDE study linking clinical and radiological results with patient selection and surgical technique▪ Managed development of an embroidered artificial disc for the lumbar spine from concept to CE marked device. |

PEARSALLS DEVELOPMENT LIMITED

General Manager

2004-2005

- Key player in sale of NeoDisc for \$12 million plus \$31.5 million in milestone payments to NuVasive Inc. Developed and delivered 45 minute presentation given to over twenty prospective purchasers.
- Responsible for NeoDisc marketing from concept to running the exhibition booth at the 2005 Spine Arthroplasty Meeting.

PEARSALLS LIMITED

Research & Development Manager

1997-2004

- Key team member and co-inventor of an endovascular stent-graft. Facilitated subsequent licensing of what is now the AorFix device.
- Worked with Great Ormond Street physician to develop his concept of line locking device, now successfully marketed by Braidlock Ltd
- Co-inventor and Project Manager for the NeoDisc artificial cervical disc with responsibility from the initial prototype design to fatigue testing and early clinical use as part of a Clinical Investigation approved by the UK regulatory authority.
- Developed rotator cuff device from a surgeon’s initial concept to a CE marked device in successful clinical use
- Managed activities of Suture Development making key contributions to new value-added suture constructs such as spliced loops and a bi-coloured suture

Regulatory Affairs Manager

1998-2004

- Managed Quality Control Department
- Responsible for approval to Annex II of the Medical Devices Directive allowing Pearsalls to CE mark its own medical devices
- Developed Quality system first to EN 46001 and then to ISO 13485

SURGICRAFT LIMITED

Technical Manager

1995-97

- Worked from within Marketing Department to provided UK-wide, in-theatre technical support for Sofamor Danek spinal systems
- Developed SurgiLig acromio-clavicular ligament and a system for stabilising fractured fingers from working with surgeons to establish business cases to CE marked device

Research Manager

1992-94

- Project Manager for the Horseshoe intervertebral fusion system

Research Fellow

1989-92

- Developed system of mode of failure analysis that lead directly to elimination of early failures of the ABC artificial ligament.

Research Assistant

1984-86

- Designed and manufactured first ABC artificial knee ligament. Wrote manufacturing procedure and trained first production staff

PATENTS

Co-inventor of twenty-one patents and patent applications for spinal, orthopaedic and endovascular devices.

EDUCATION, TRAINING AND QUALIFICATIONS GAINED

1989-92	UMIST, Manchester	PhD on Development of Surgicraft ABC Prosthetic Ligament system following Mode of Failure Analysis. This established the cause of failure as being impingement which was eliminated by the development of new instrumentation.
1986-89	UMIST, Manchester	BSc (Hons) Textile Technology (Upper Second)

ADDITIONAL INFORMATION

Fence sabre at local club
 Volunteer Safety Boat driver for Somerset Youth and Community Sailing Association
 Married with three children.