

DR NICK SCOTT-RAM

OXFORD ACADEMIC HEALTH SCIENCE
NETWORK

The logo for the UK Space Conference 2017 features a circular graphic composed of red, white, and blue segments, resembling a nautical signal flag. The text "UK SPACE" is positioned at the top, "CONFERENCE" is in the middle, and "2017" is at the bottom, all in white capital letters.

UK SPACE
CONFERENCE
2017

#UKSPACE2017

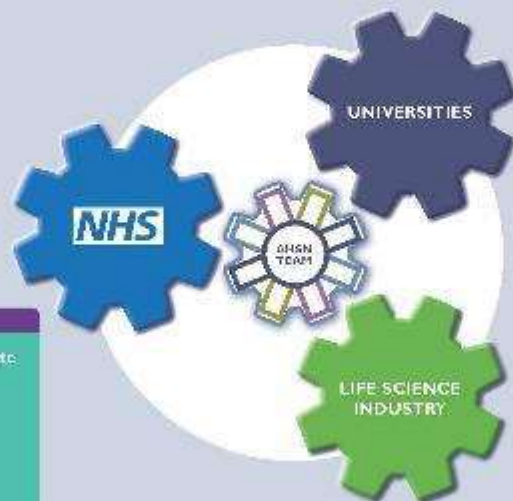
BACKGROUND

What is the Oxford AHSN?

Oxford Academic Health Science Network is a partnership of NHS providers, commissioners, universities and life science companies to improve health and prosperity in Bedfordshire, Berkshire, Buckinghamshire, Milton Keynes and Oxfordshire. Success comes from collaborative working by the partners and stakeholders across the region.



3 Million People



Our 7 programmes and themes facilitate shared work across all partners:

- Best Care Clinical Networks
- Clinical Innovation Adoption
- Research & Development
- Wealth Creation
- Patients and Public Involvement, Engagement and Experience
- Informatika
- Patient Safety

Benefits of collaboration across the whole system:

- Leverage clinical and management best practice and expertise to improve outcomes
- Share clinical evidence and benchmarking
- Scale innovation adoption
- Learn from each other – clinical standards, models of care, commercial models
- Enable data sharing, operational, patients and research to improve outcomes
- Share education knowledge
- Share clinical and management resources
- Improve region's attractiveness for commercial research
- Make region more attractive for inward investment and product development
- Make the region healthier

Accelerating health and economic gains by working together



Oxford
Academic Health
Science Network



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MULTI-DISCIPLINARY RESEARCH IN SPACE ENVIRONMENTS



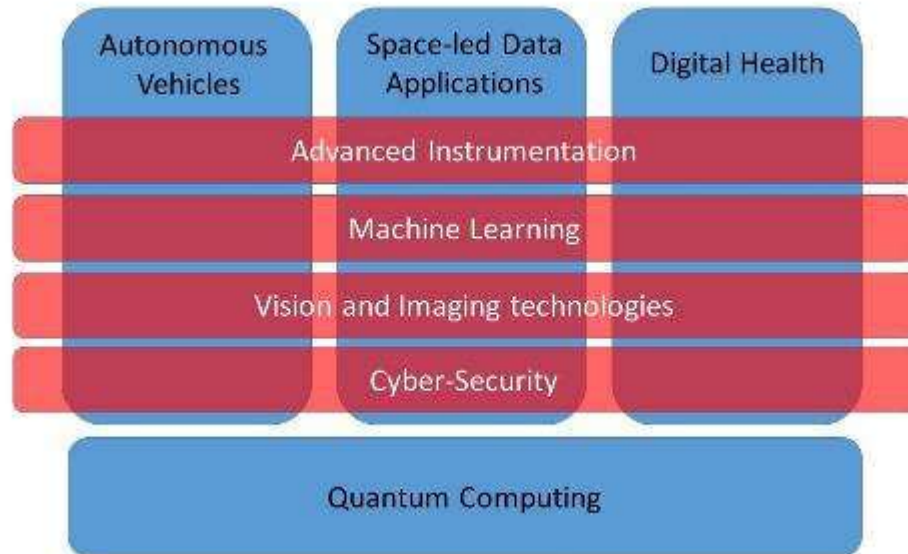
Context

- Building our Industrial Strategy – Green Paper
- Long-term view (20 years +)
- Technology convergences
- New types of partnerships – public & private
- International collaborations

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TECHNOLOGY CONVERGENCES

Oxfordshire Transformative Technologies Alliance SIA



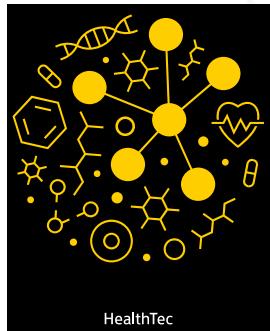
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MULTI-DISCIPLINARY RESEARCH

Space and health



Harwell Clusters



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MULTI-DISCIPLINARY RESEARCH

What do hospitals and space have in common?

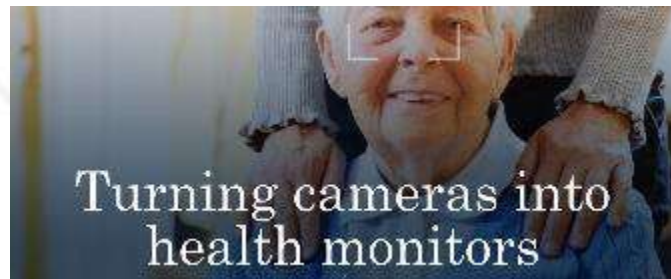
- Extreme environments.....
- Increasing focus on prevention
 - Genomics, proteomics and metabolomics
 - Precision diagnostics and treatment to improve outcomes
 - Big data and predictive algorithms
- Remote care and 24 hour monitoring
- Packages of interventions connecting diagnostics, digital, medtech and pharmaceuticals



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DIGITAL AND DIAGNOSTICS

- Rapid PoC testing – iStat
- Digital monitoring
 - SEND
 - Oxecam – Home care
- Health analytics and wearables



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NEW MODELS OF INNOVATION



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