Supporting innovation in medtech with photonics

Dr Tom Harvey

Healthcare Photonics Lead

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We help companies to develop, prove, scale-up and commercialise new products and processes

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Biotechnology

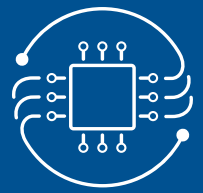
Biotherapeutics

Formulation and materials

Pharmaceutical processing

Photonics

Printed electronics



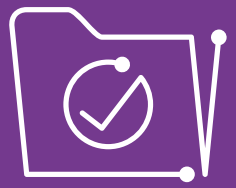
Flexible hybrid electronics

Digital

...with our expertise and core capabilities

400+

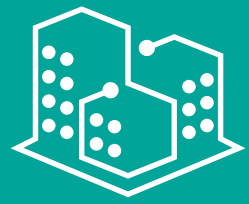
Highly skilled staff



1100

Project completed

worth over £415m



2000

Business collaborations

including 60% SMEs

15+

Years of experience

helping businesses succeed

£170m

Investment in innovation assets

£48.5m

Annual turnover

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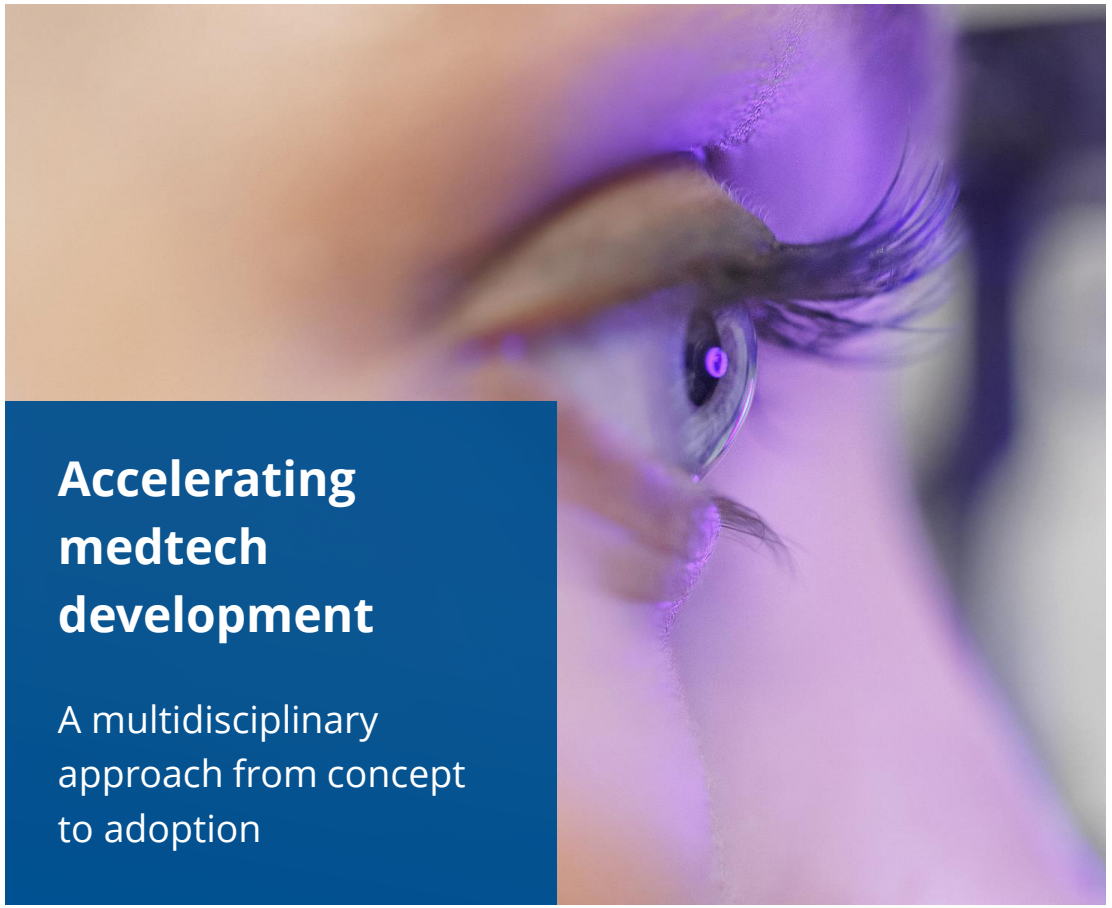
Correct as of February 2019

Our support for medtech innovation



Accelerating medtech development

A multidisciplinary approach from concept to adoption

Navigating the path to user adoption

Providing regulatory and market support through partnerships

Accelerating medtech development

Wearable technologies

We make flexible and conformable electronics and encapsulation

Smart connected devices

We do integration of communication and AI technology into your medtech devices

Design for manufacture

We consider manufacturing from the outset

Exploitation of new materials

We develop and optimise new chemical formulations and pharmaceutical products for healthcare devices

Integrating smart systems

We use photonics and electronics as enabling technologies for smart medtech devices and drug delivery systems

Regulatory compliant development

We develop your products in environments certified to the latest regulatory standards

CERTIFIED ISO 13485 UKAS MANAGEMENT SYSTEMS 001

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Accelerating medtech adoption

Global healthcare market

Optimising your product and business for national and international adoption

Collaboration for clinical evidence

Working with clinical partners to generate clinical evidence for adoption and validation

Develop your value proposition

Working with healthcare experts and national clinical networks to develop your value proposition

Technology testing

Ethical use of human tissue samples and radionuclides for testing and validation of your technology

Photonics in Healthcare workshop at BIOS 2020

Sunday 2 February 2020 • 10:15 AM - 12:15 PM
Location: Industry Stage, Hall DE (Exhibit Level)

Making the invisible visible with multispectral and fluorescence image-guided surgery	Richelle Hoveling	Quest Medical Imaging	Holland
Image sensors for medical applications – Specific needs and applications	Stefan Bayer	Berliner Glas	Germany
Do Dim Things: Why low light imaging capabilities enable advances in research and medicine	Stephanie Fullerton	Hamamatsu USA	USA
The use of accousto-optics in advanced microscopy	Andrew Robertson	Gooch & Housego	UK
The Digital Twin: A call for new sensors for bioreactors	Paul Goodwin	GE Healthcare	USA
Advanced fiber solutions for biomedical photonics in the 0.3-16 µm range	Viacheslav Artyushenko	art photonics	Germany
How hyperspectral sensing technologies can help enabling wearables for health diagnostics	Ward van der Tempel	Spectricity	Holland
Photo bio-stimulation: from single cell to tissue optical stimulation	Francesco Pavone	Light4tech	Italy

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