



BIG Data

NetVal, Loano,
12 September 2018

Tom Hockaday
technology transfer innovation

UK

- REF - Research Excellence Framework
 - 2014, 2021
 - Impact - from 20% increased to 25%
- KEF - Knowledge Exchange Framework
 - 2018, 2019 ?
 - Measures, Assessment ...?
 - Good Practice
- UVF's - University Venture Funds
- SSHA

BIG Data

- BIG Data
- Open Data
 - Eg crime figures, traffic accidents, patents, TT!
- Personal Data
 - Facebook, Google etc - *ownership, consent*
- Aggregate Data
 - Shopping - location and purchases
- Anonymised Data
 - Healthcare, trials - *ownership, consent*

BIG Data

- BIG Data
- Healthcare
- Transport

BIG Data - Healthcare

BIG DATA INSTITUTE

Li Ka Shing Centre for Health Information and Discovery

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BIG Data - Healthcare

- Big Data Institute, Oxford - £115m 2017
- Interdisciplinary research centre that focuses on the analysis of large, complex, heterogeneous data sets for research into the causes and consequences, prevention and treatment of disease



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FOUNDATION

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BIG Data - Healthcare

- **Genomics plc**

- Analysis across many, integrated, genotype-phenotype studies has the potential to revolutionise healthcare. Analyse the links between genetics, molecular biology, and human health and disease
- Improve the drug discovery process.
- Raised £35m
- **Team** - statistics, biology, software development, and commerce

BIG Data - Healthcare

- Sensyne Health 
- University of Oxford & Oxford Hospitals NHS
- Collect data, anonymise data, analyse data, new hypotheses, new therapies
- Double bottom line, providing an attractive return to shareholders and making a positive social impact
- Raised £60m, AIM

BIG Data - Healthcare

- Brainomix
 - Artificial Intelligence (AI) and Data
 - Stroke imaging software solutions

e-ASPECTS predicts patient outcome and risk of bleeding in acute stroke

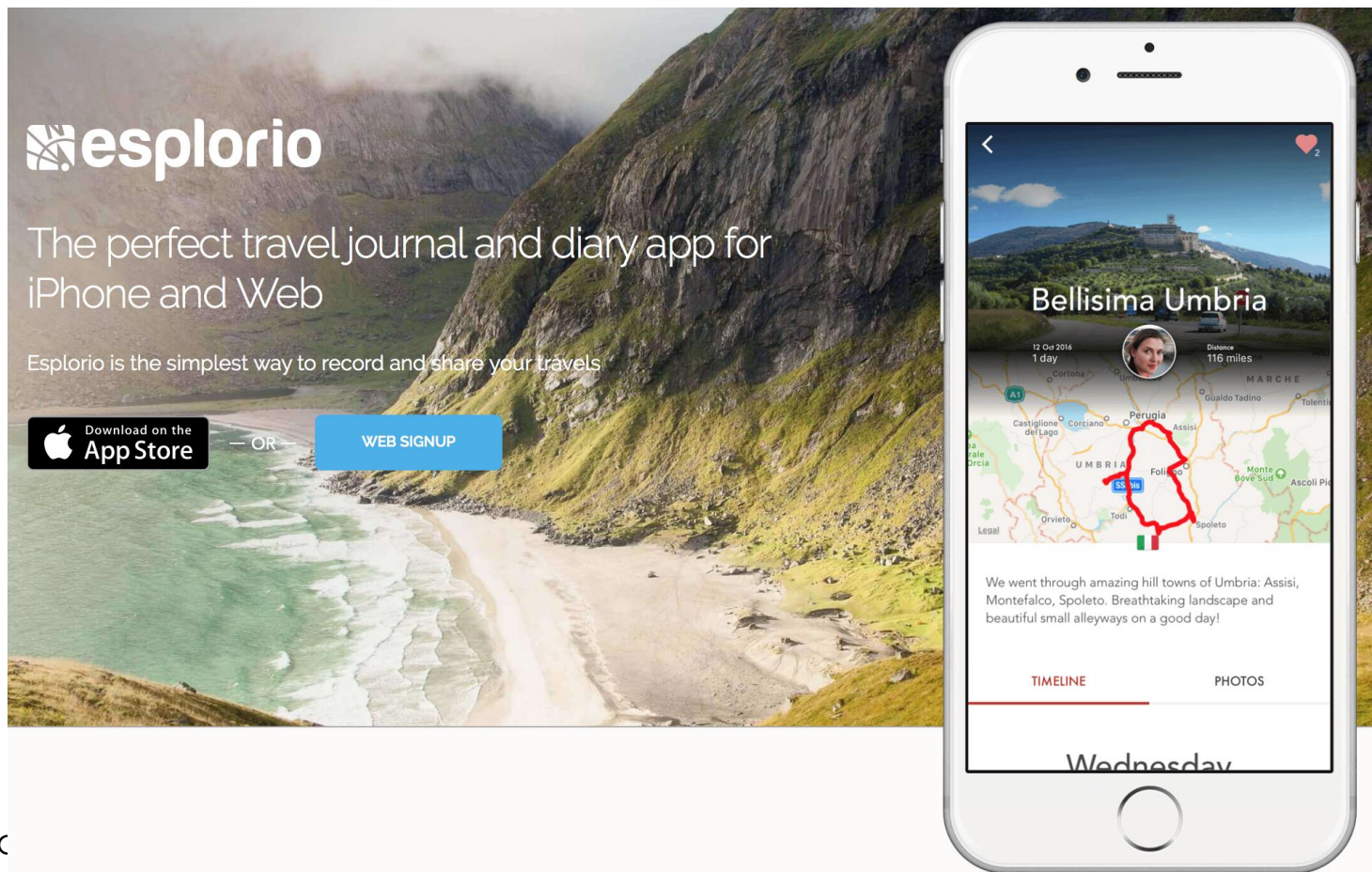


Brainomix

Raised £8m
Collaboration
Boehringer
Ingelheim

BIG Data - Transport

- Esplorio, 2013, student start-up



BIG Data - Transport

- Student Start-up

CYCLE.LAND

EASY AND PERSONAL BIKE SHARING

Rent a Bike / Share a Bike


All listing types ▼

Grid


List

Map

£10 / day

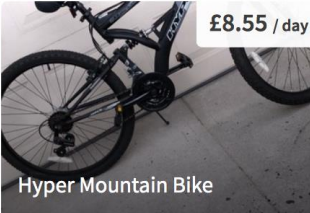


Bike on rent




Pappu

£8.55 / day

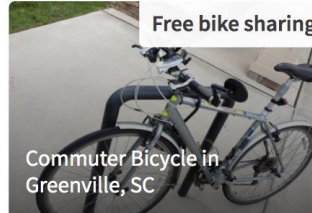


Hyper Mountain Bike




Muhammad

Free bike sharing




Commuter Bicycle in Greenville, SC




Joe

£5 / day



Rog Maraton



Vid

£3 / day



£20 / day



£10 / day



£15 / day



BIG Data - Transport

mobike

CYCLE.LAND



TECHNOLOGY TRANSFER INNOVATION

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Tom Hockaday

Tom Hockaday is a leading expert in university technology transfer leadership, management and activities. He led the technology transfer activities at the University of Oxford for ten years from 2006 to 2016, having started at Oxford in 2000.

Tom has over 27 years experience in this field.

Tom Hockaday is an independent private consultant, working with a number of clients in the university technology transfer sector.

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