

Third Annual FortisNet Meeting

Working in Partnership

25 January 2018

WORKING IN PARTNERSHIP: GLOBAL CHALLENGES



#FORTISNET

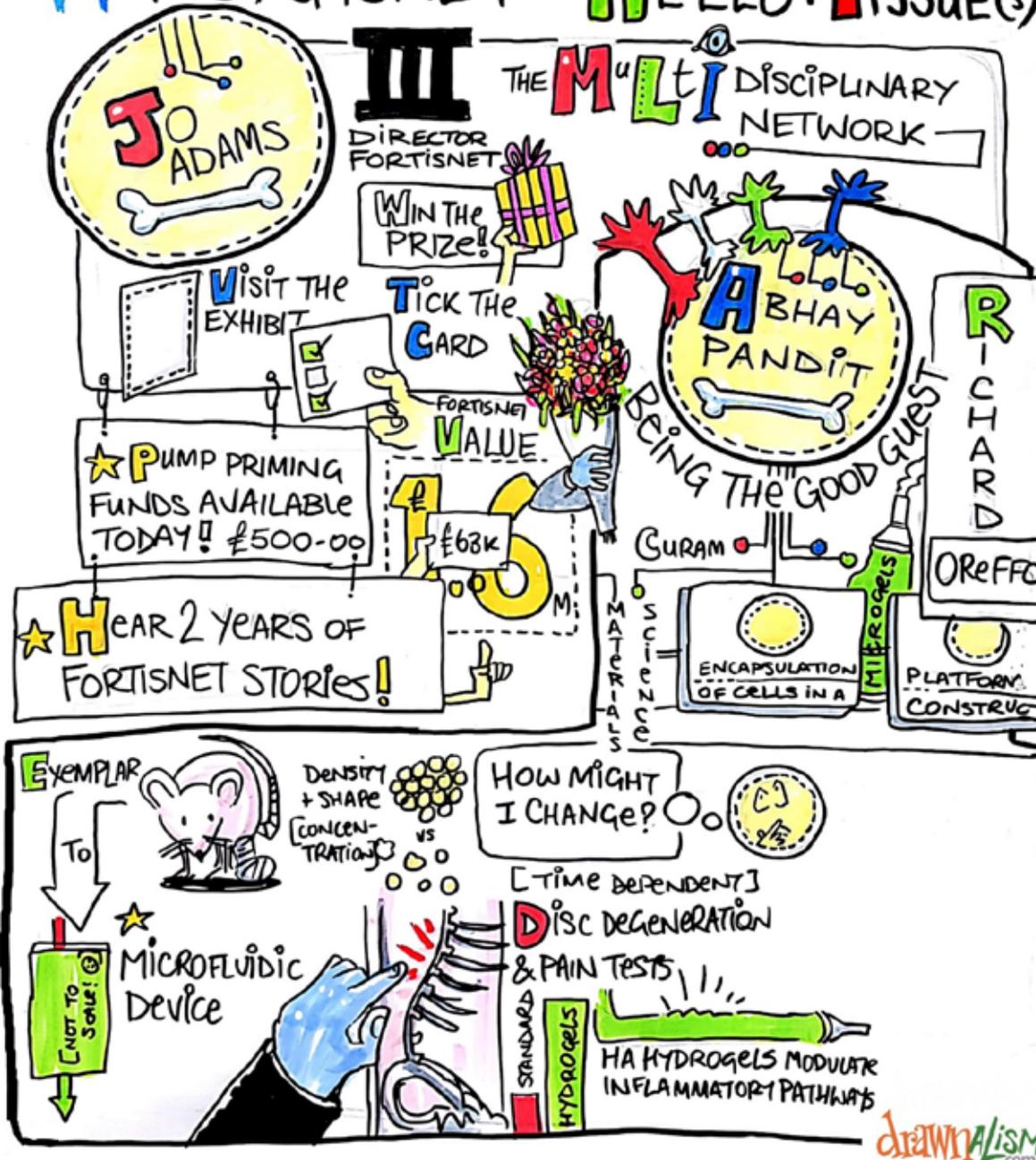


We hope you will enjoy the 'in the moment' art created by 'Drawnalism', summarising our work at the Third Annual FortisNet Meeting on 25 January 2018.

GROWING AND REPLACING HARD AND SOFT TISSUE

Chair: Professor Richard Oreffo, University of Southampton

FORTISNET : HELLO : TISSUE(S)



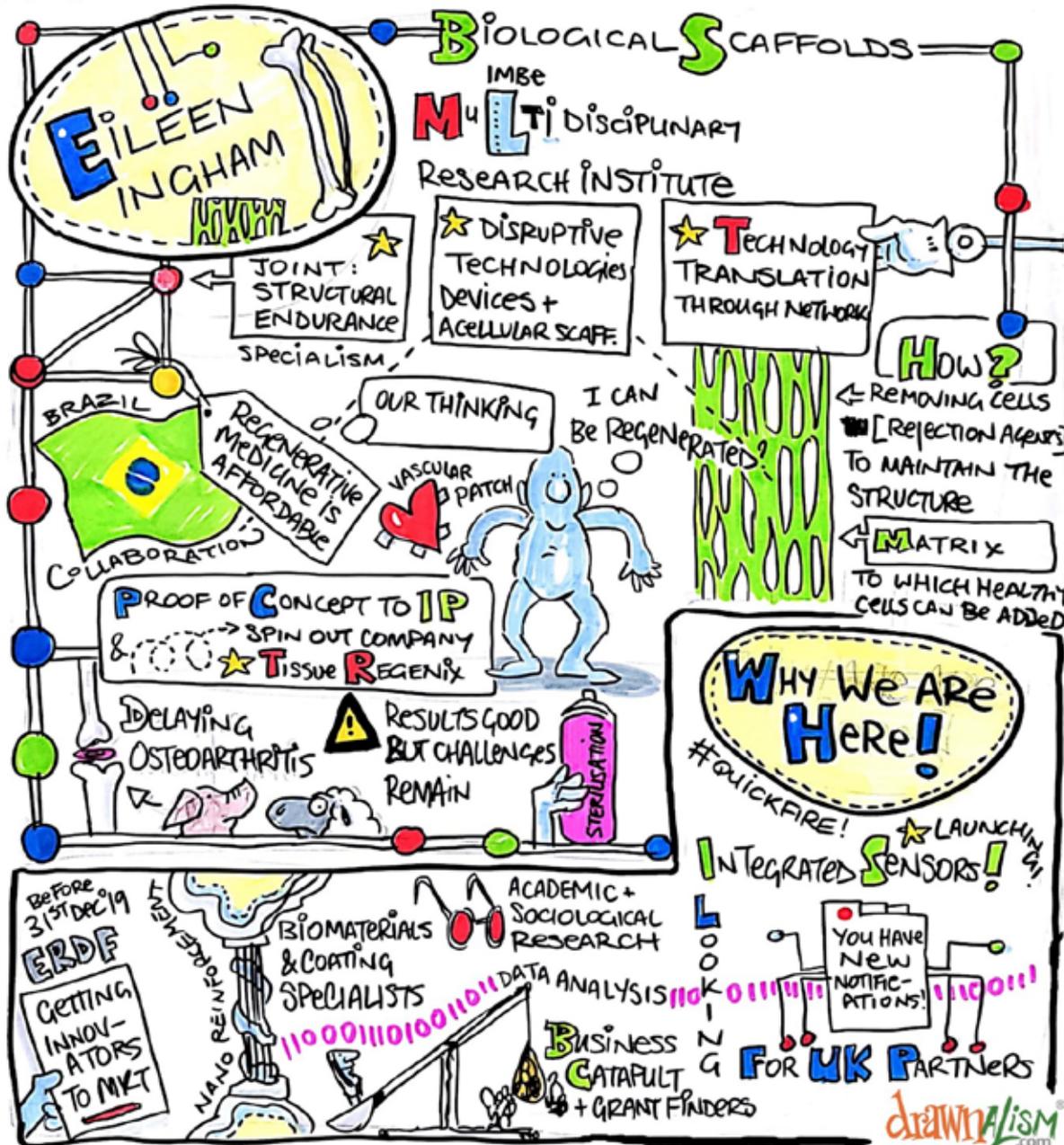
Introduction:

- Professor Jo Adams, FortisNet Director

Speaker:

- Professor Abhay Pandit, CÚRAM, National University of Ireland, Galway

FORTISNET: TISSUE(S) [CONT]



Speaker:

- Professor Eileen Ingham, Institute of Medical and Biological Engineering, University of Leeds

Two minute pitches: who am I and why am I here?

- Martin Gossling, 270 Vision Ltd
- Richard Hall, ERDF Hub
- Dr Andrew Hamilton, University of Southampton
- Dr Melanie Georgiou, Cell and Gene Therapy Catapult
- Dr James Steele, Southampton Solent University
- Prof Ben MacArthur, University of Southampton

WHAT HAS FORTISNET ACHIEVED SO FAR?

Chair: Christine McGrath, University Hospital Southampton NHS Foundation Trust

#FORTISNET: SO FAR...



Speakers:

- John Sullivan, International Society for Prosthetics and Orthotics, UK MS
- Professor Maria Stokes, University of Southampton

FORTISNET : SO FAR... [CONT]

SPIDERSOLE[®]
PODIATRY
CATHY BOWEN

• **SO3D**
• **CYNAPSE**

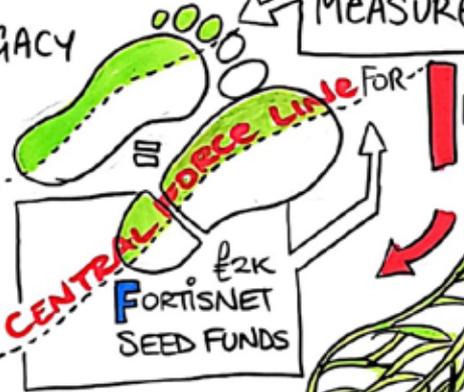
3D PRINTING

Q. WHAT IF THAT MEASUREMENT WAS DYNAMIC?

LEGACY

STATIC MEASURE...

Q. WHAT IF THAT WAS APPLIED IN NEW MATERIALS?



Q. WHAT IF WE PUT PRODUCT DESIGNERS AND CLINICIANS TOGETHER TO DEVELOP THE RESULTS

← DENSER
£4.5K FORTISNET DEVELOPMENT FUNDING

Q. WHAT ABOUT DEVELOPING THE I.P.?

AND **FORTISNET?**

★ TRUSTED NETWORK FOR ADVICE

★ CONNECTION [FOR CREATION]

Speaker:

- Professor Cathy Bowen, University of Southampton

- In the first two years the FortisNet network has catalysed a Fellowship, supported five PhD studentships in musculoskeletal health and 37 new collaborative projects which have yielded a return of over 10:1 on investment. It has catalysed a Global Challenges Research Fund project and supported the commercialisation of new technologies.
- The FortisNet community have leading technological capacity ranging from orthopaedics to materials science, assistive technologies, rehabilitation, prosthetics, device design, software development, epidemiology, clinical design and trials, patient and public involvement and business incubation.

RECIPROCAL BENEFITS OF SPACE AND EARTH HEALTH RESEARCH

Chair: Professor Maria Stokes, University of Southampton

#FORTISNET

MARIA STOKES

UNIVERSITY OF
Southampton

Speaker:

- Professor Stephen Harridge, Centre of Human and Aerospace Physiological Sciences, King's College London

Two minute pitches: who am I and why am I here?

- Prof Gordon Blunn, University of Portsmouth
- Patrick Hall, Maddison Ltd
- Dr Harry Akerman, University Hospital Southampton NHS FT
- Prof Alison Gartland, University of Sheffield
- Dr Osman Ahmed, Bournemouth University
- Dr Danielle Lambrick, University of Southampton
- Duncan Marchbanks, John Florence Ltd*
- Ed Littlewood, Renishaw plc



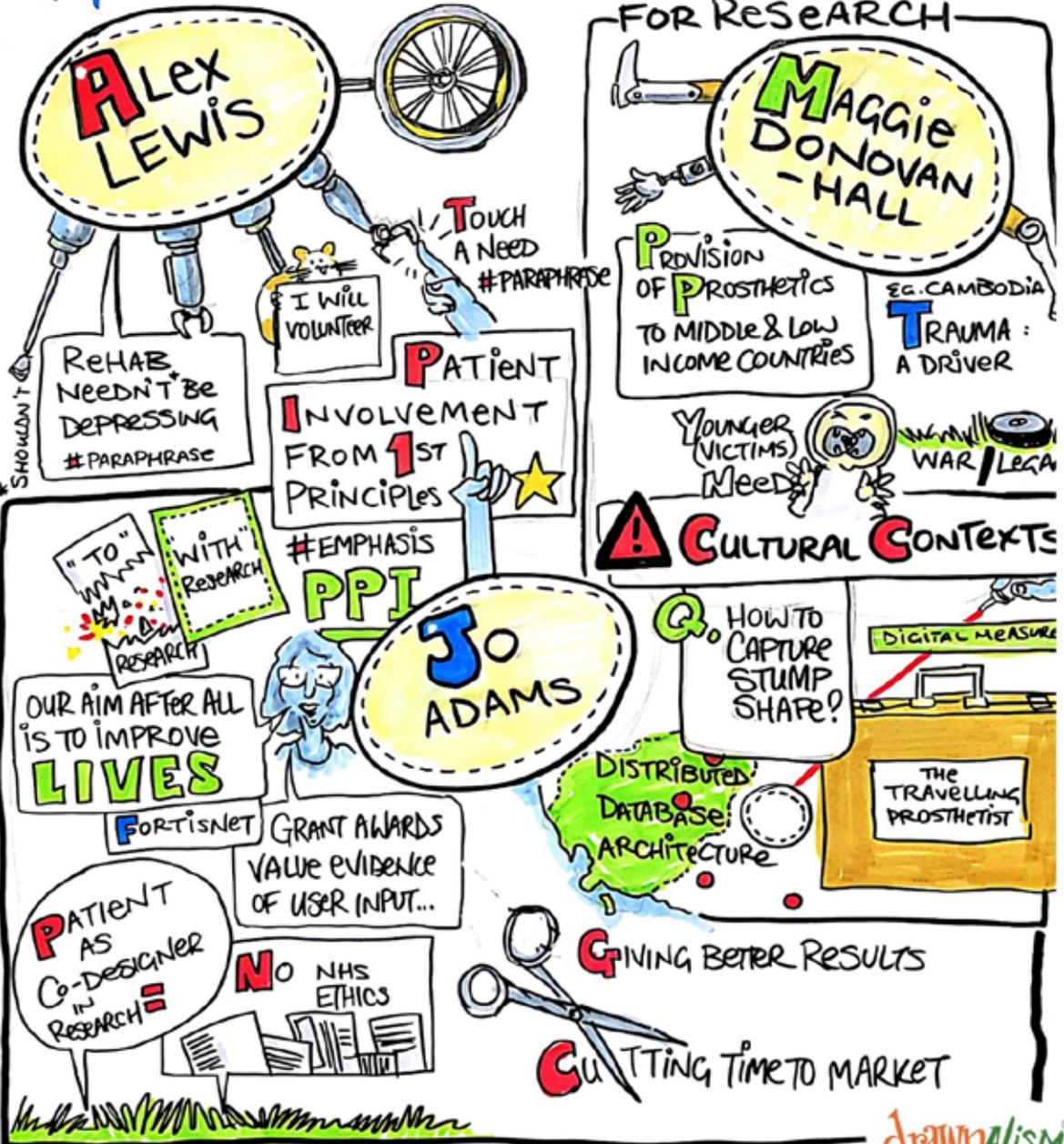
* Winner of prize for best pitch

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ENGAGING STAKEHOLDERS IN RESEARCH – HOW DO WE ALL BENEFIT?

Chair: Alex Lewis, Alex Lewis Trust

FORTISNET: ENGAGEMENT FOR RESEARCH



Speakers:

- Dr Maggie Donovan-Hall, University of Southampton
- Professor Jo Adams, University of Southampton

FORTISNET : ENGAGEMENT FOR RESEARCH [CONT]



Speakers:

- Jem Lawson, British Wrestling Association & Arthritis UK Centre for Sport, Exercise and Osteoarthritis
- Sarah Bradley, Poole Hospital NHS Foundation Trust

FORTISNET

MICHAEL
BRANAGAN-HARRIS
DEVICEACCESS LTD

NHS

4 PRINCIPLES
OF MARKET ACCESS

★ Prizes!
Louis
WELL DONE
DUNCAN
&
GIANLUCA

CONTEXTUAL CHALLENGE

▲ DEMOGRAPHIC CHANGE

#INSIGHT
NHS FAVOURS PROCESS
OVER PRODUCT... IT'S
A SYSTEM, NATCH

- ★ PRODUCT NEEDS
 - BENEFIT PATIENT
 - BENEFIT HOSPITAL TRUST
 - SHOW PROBLEM SOLVING
 - POTENTIAL FOR PROFIT



ONLY MEDTEC
CAN HELP SOLVE
THIS...

...WE ARE FED BY ANONYMISED NHS DATA... TO ANALYSE PATIENT PATHWAYS... WE ARE
ANONYMISED NHS DATA... ARE FED BY

DEALING WITH NICE
NATIONAL INSTITUTE FOR CLINICAL EXCELLENCE

EFFICACY • EVIDENCE • COST-UTILITY

Speaker:

- Michael Branagan-Harris,
Device Access Ltd

FORGING NEW COLLABORATIONS

We have supported collaborative pump-priming projects in orthopaedics, assistive technology and rehabilitation.

These represent new, interdisciplinary collaborations, all of which are with partners external to the University of Southampton, including stakeholders, industry and an NHS Trust. Projects will report at the end of March 2018.

We are grateful to the Higher Education Innovation Fund for financial support for this event.

THANK YOU FOR YOUR ACTIVE PARTICIPATION AND COLLABORATION

94 Participants (over-subscribed by 9%)
57% external to University of Southampton

Universities: Bournemouth, King's College
London, Leeds, NUI Galway, Sheffield,
Portsmouth, Southampton, Southampton Solent

Dstl, MoD

16 Companies

Cell and Gene Therapy Catapult

University of Southampton Science Park

SETsquared

Wessex Academic Health Science Network

Hampshire County Council

Alex Lewis Trust

International Society for Prosthetics & Orthotics

Saints Foundation

Poole Hospital NHS Foundation Trust,
Portsmouth Hospitals NHS Trust, Solent NHS
Trust, University Hospital Southampton NHS
Foundation Trust

www.southampton.ac.uk/fortisnet

For more information about FortisNet, contact the
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