

Fifth Annual FortisNet Meeting

Healthy Ageing

Axis Conference Centre, University of Southampton Science Park, 30 January 2020

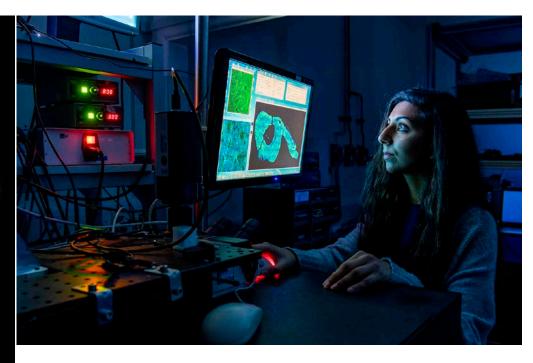


HEALTHY AGEING

Southampton

FortisNet

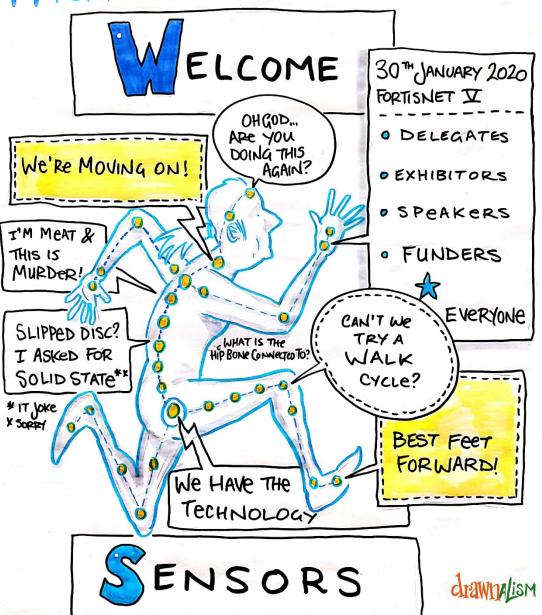
30 January 2020



Above: Bone is a dynamic tissue that is constantly renewed throughout life. Changes in collagen structure are well-known indicators of bone disease, which can be measured using Raman Spectroscopy and Second Harmonic Generation imaging.

Cover: Detail from a label-free, Second Harmonic Generation image of pathological bone, where collagen (cyan) can be distinguished from mineralised tissue (blue).

Images courtesy of Aikta Sharma, Dr Claire Clarkin, Professor Richard Oreffo and Professor Sumeet Mahajan, University of Southampton 2 #FORTISNET



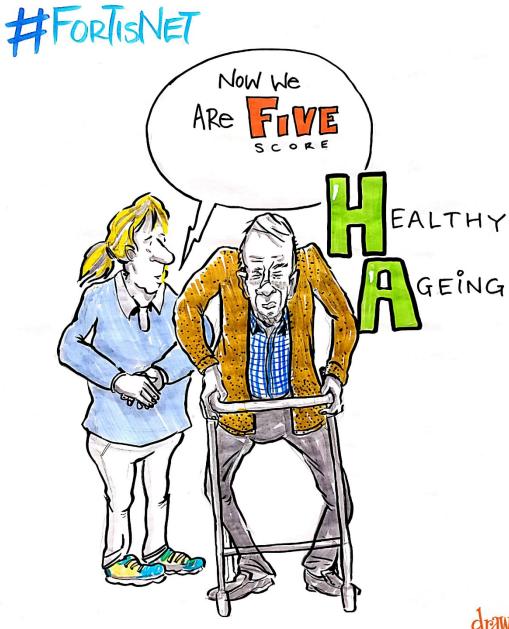


We hope you will enjoy the 'in the moment' art created by 'Drawnalism', summarising our work at the Fifth Annual FortisNet Meeting on 30 January 2020.



Session 1

Chair: Professor Jo Adams Health Sciences, University of Southampton



Introduction:

Professor Peter JS Smith,
 FortisNet Director



https://twitter.com/hashtag/fortisnet?src=hashtag_click

drawhalism



Speakers:

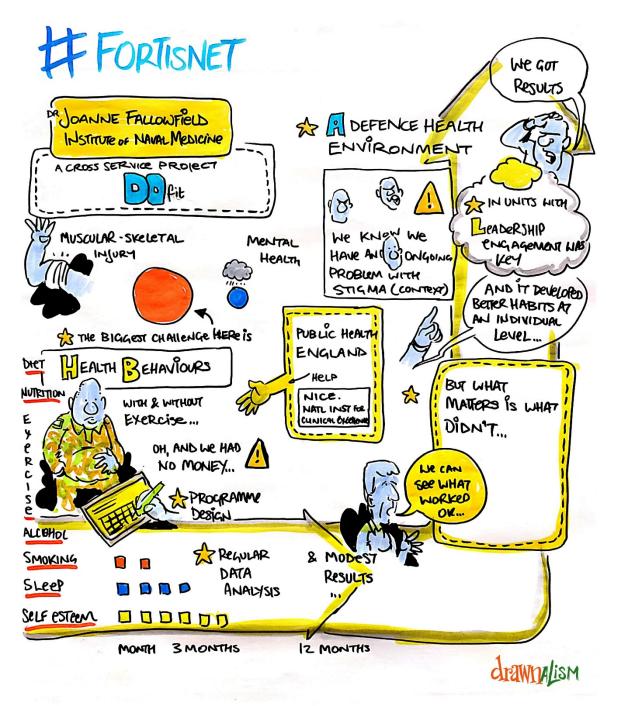
- Alex Lewis, Alex Lewis Trust
- David Collinson, Wild Wheelchairs Project

Find out more:

https://www.facebook.com/pg/NaeahTh eHandcycle/posts/

https://www.southampton.ac.uk/enginee ring/news/2019/10/16-wheelchairadventurers.page

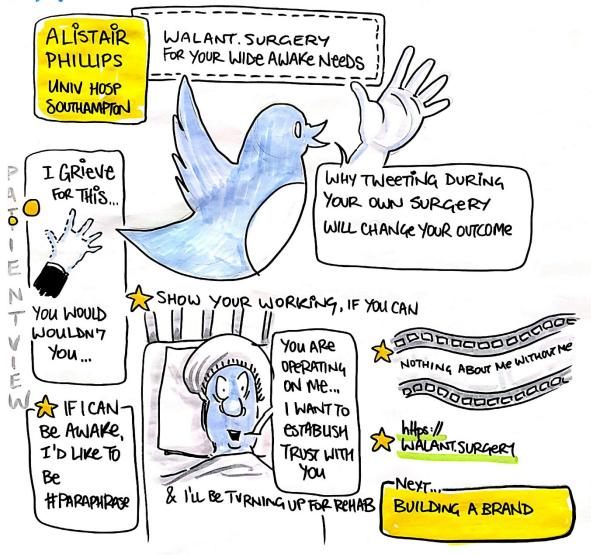
https://www.alex-lewis.co.uk/wildwheelchairs-project/



Speaker:

 Dr Joanne Fallowfield, Institute of Naval Medicine

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Speaker:

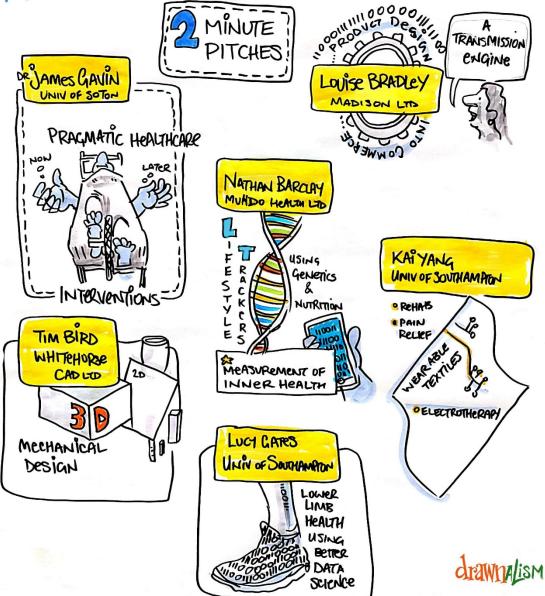
 Mr Ali Phillips, University Hospital Southampton NHS Foundation Trust

Find out more:

https://walant.surgery/

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

- Dr James Gavin, University of Southampton
- Louise Bradley, Maddison Ltd
- Nathan Berkley, Muhdo Health Ltd
- Tim Bird, White Horse CAD Ltd
- Dr Lucy Gates,
 University of Southampton
- Dr Kai Yang, University of Southampton

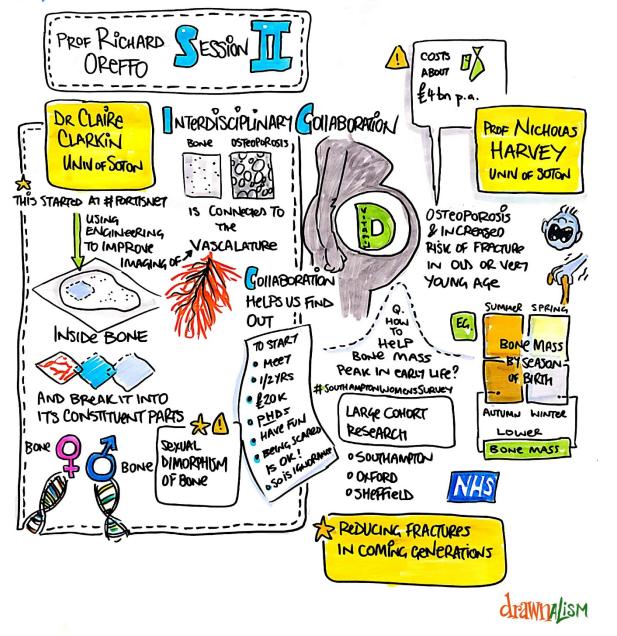


Session 2

Chair: Professor Richard Oreffo Centre for Human Development, Stem Cells and Regeneration University of Southampton

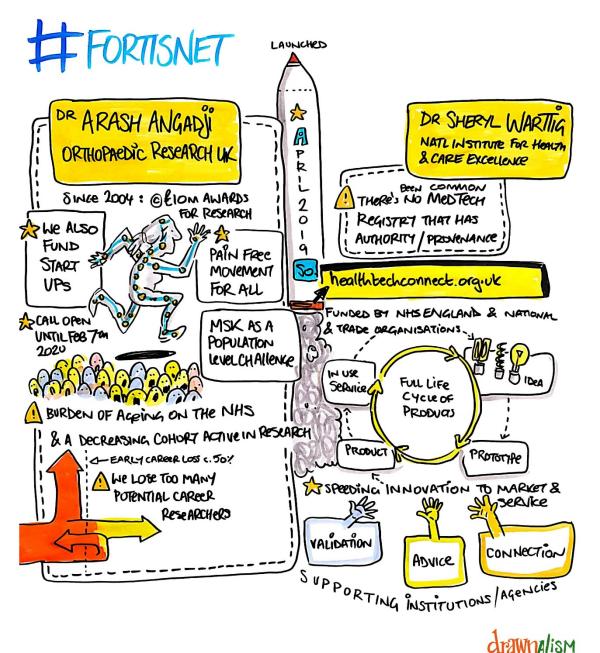
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Speakers:

- Dr Claire Clarkin, University of Southampton
- Prof Nicholas Harvey, University of Southampton & University Hospital Southampton NHS Foundation Trust



Speakers:

- Dr Arash Angadji, Orthopaedic Research UK
- Dr Sheryl Warttig National Institute for Health and Care Excellence

Find out more:

https://www.oruk.org/

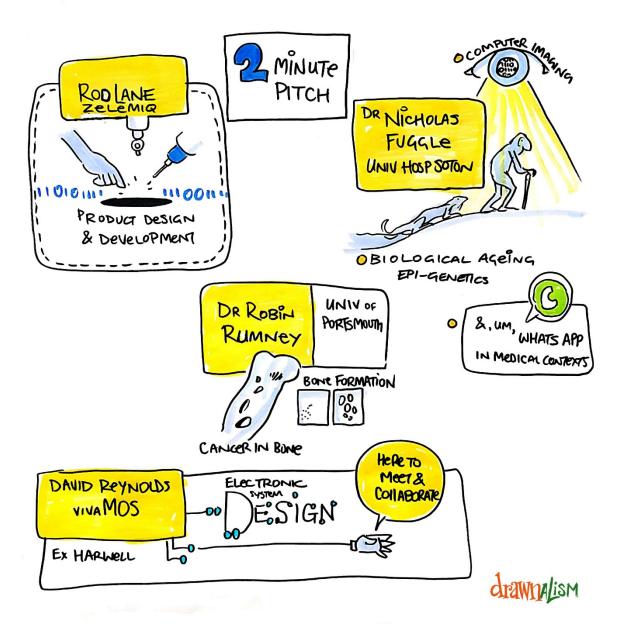
https://www.healthtechconnect.org.uk/



Session 3

Chair: Professor Peter JS Smith Institute for Life Sciences Director & FortisNet Director University of Southampton

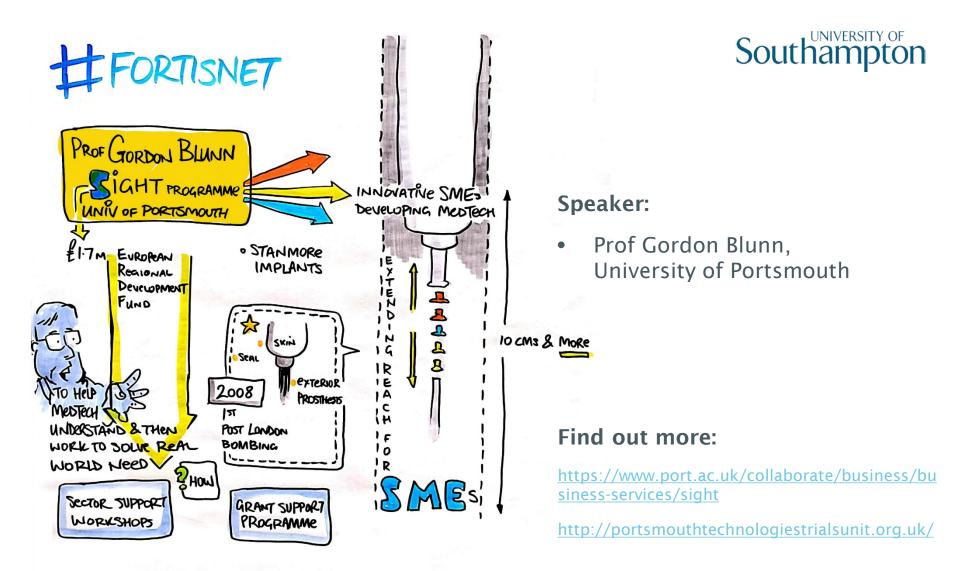
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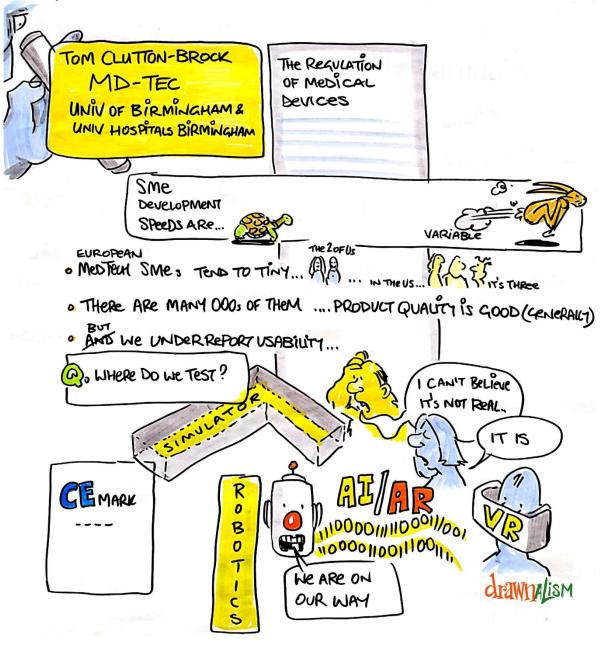
Two minute pitches: Who am I and why am I here?

- Dr Rod Lane, Zelemiq Ltd
- Dr Nicholas Fuggle, University of Southampton & University Hospital Southampton NHS Foundation Trust
- Dr Robin Rumney, University of Portsmouth
- David Reynolds, vivaMOS Ltd



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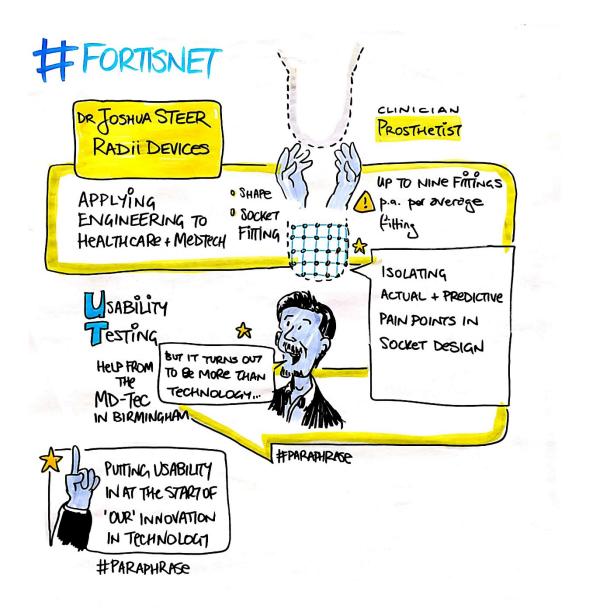
Speaker:

Dr Tom Clutton-Brock, Medical Devices Testing and Evaluation Centre & NIHR Trauma Management MedTech Co-operative, University of Birmingham & University Hospitals Birmingham NHS Foundation Trust

Find out more:

https://www.md-tec.com/

https://www.traumamic.nihr.ac.uk/

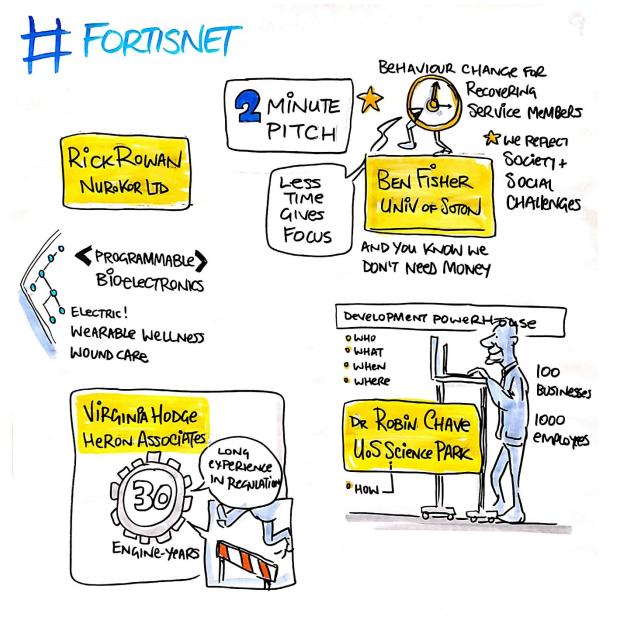


Speaker:

 Dr Joshua Steer, Radii Devices

Find out more:

https://www.radiidevices.com/



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

- Rick Rowan, NuroKor Ltd
- Dr Robin Chave, University of Southampton Science Park
- Ben Fisher*, Defence
 Primary Healthcare &
 University of Southampton
- Virginia Hodge, Heron Associates

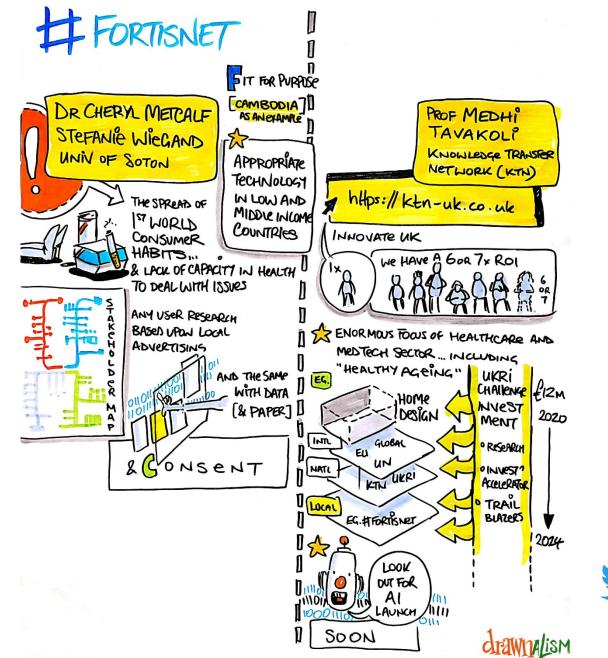
*Winner – best pitch

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Session 4

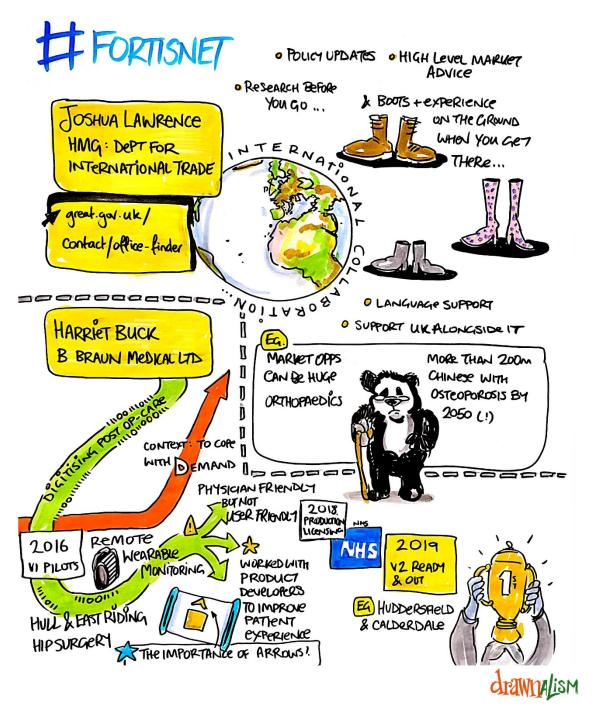
Chair: Mr Jeremy Latham Latham Hip Surgery



Speaker:

- Dr Cheryl Metcalf, University of Southampton
- Stefanie Wiegand, University of Southampton
- Prof Mehdi Tavakoli, Knowledge Transfer Network

Find out more:



Speaker:

- Joshua Lawrence, Department for International Trade
- Harriet Buck,
 B Braun Medical Ltd



Prize giving

- **Best two minute pitch:** Ben Fisher, Defence Primary Healthcare & University of Southampton
- **Best lay abstract:** Nicholas Fuggle, University of Southampton
- Lay abstract runner up: Camille Parsons, University of Southampton



FORGING NEW COLLABORATIONS

We have supported collaborative pump-priming projects in enterprise engagement in research, skeletal biology, prosthetics & orthotics, podiatry, assistive technology and rehabilitation.

These represent new, interdisciplinary collaborations, all of which are with partners external to the University of Southampton, including stakeholders, small-to-medium-sized enterprises, University of Portsmouth and an NHS Trust. Projects will report at the end of April 2020.

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

THANK YOU FOR YOUR ACTIVE PARTICIPATION

- 79 Participants; 56% external to University of Southampton
- Universities: Birmingham, King's College London, Portsmouth, Southampton
- Dstl, MoD, Institute of Naval Medicine
- 15 Companies
- University of Southampton Science Park
- Department for International Trade & Knowledge Transfer Network
- Portsmouth Hospitals NHS Trust, University Hospital Southampton NHS Foundation Trust, Dorset County Hospital
- National Institute for Health and Care Excellence
- Hampshire County Council
- 2 Charities

Image courtesy of Belle Creith and Dr Claire Clarkin, University of Southampton.

HELP US TO HELP YOU...

Southampton

- Please tell us if FortisNet has helped you in your work
- We can apply for more funding to support events and activities

Image courtesy of Dr Alex Dickinson, Dr Peter Worsley, Dr Maggie Donovan-Hall, Dr Cheryl Metcalf, University of Southampton.



www.southampton.ac.uk/fortisnet

To give feedback or find out more about FortisNet, contact the Institute for Life Sciences Collaboration Manager, Dr Alexandra Mant:

a.mant@southampton.ac.uk 023 8059 4441