

Insigneo Newsletter - October 2019

Welcome to our monthly Insigneo newsletter!

Our monthly e-newsletter keeps you up to date with events, funding, success stories and information. We hope you will find it useful! If you would like to add information and/or events to this newsletter please email: news@insigneo.org (the newsletter will be issued during the 2nd week of the month, excluding January and August). Please ensure that you submit news and events with a minimum of one week's notice.

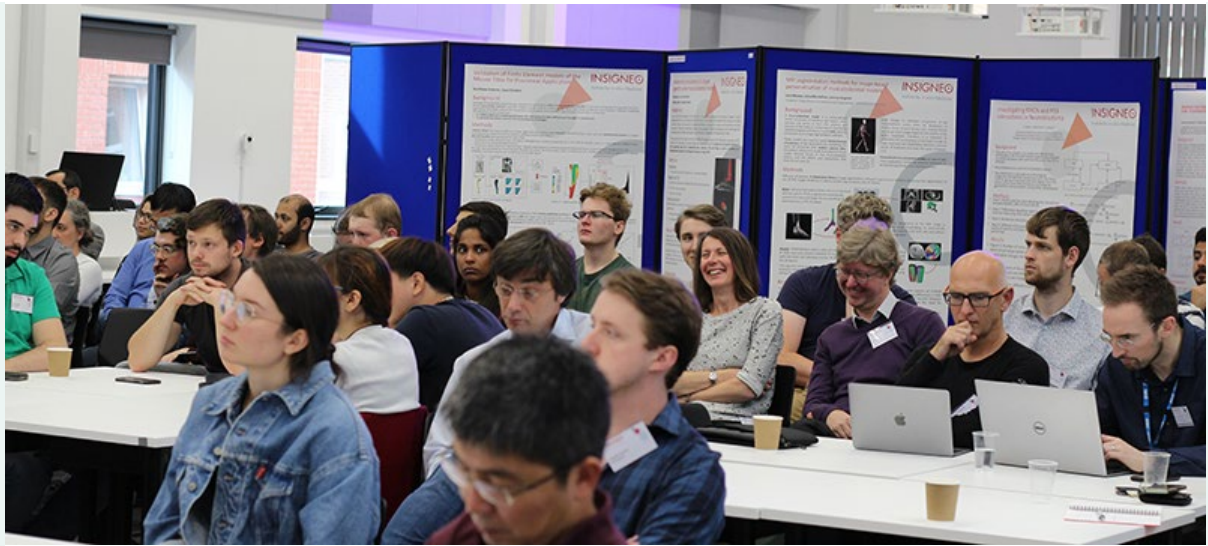
Insigneo Showcase 2020 - save the date!

INSIGNEO SHOWCASE 2020

Please put this date in your diaries! Insigneo's 2020 Showcase will take place on 1 May 2020 at the Octagon Centre, Sheffield.

Further details will be released in due course.

Insigneo General Assembly 2019



On Monday 23 September 2019, the Insigneo Institute's members gathered together with staff and colleagues for the Insigneo General Assembly at 38 Mappin Street, Sheffield.

Insigneo Interim Executive Director, Professor Claudia Mazzà, provided an overview of Insigneo's activities over the last year and future strategy.

[Read more](#)

Official launch of the MultiSim2 project



The official launch of the MultiSim2 project took place at the University of Sheffield's Pam Liversidge Building on Tuesday 10 September 2019.

[Read more](#)

BioMedEng 2020 conference is coming to Sheffield - save the date!



We are pleased to announce that the University of Sheffield's Insigneo Institute for *in silico* Medicine will be hosting the BioMedEng conference 2020 on 14 – 15 September at the Diamond Building, Sheffield with Dr Gwendolen Reilly, Department of Materials Science and Engineering, as chair and Insigneo members from across the faculties and Sheffield Teaching Hospitals NHS Foundation Trust forming the local organising committee.

This is a great opportunity to showcase the engineering expertise of the University of Sheffield, the Insigneo Institute and the city of Sheffield. We look forward to hosting delegates including Biomedical Engineers, Medical Engineers, Bioengineers, Clinicians from the NHS and industrial partners.

Dr Stefaan Verbruggen to join Insigneo as Lecturer in Biomechanics



Dr Stefaan Verbruggen
Lecturer in Biomechanics

Welcome to Dr Stefaan Verbruggen who is joining the Insigneo Institute next year as Lecturer in Biomechanics from Columbia University, New York, and Queen Mary University of London. He recently visited the Insigneo Institute and attended the General Assembly.

[Read more](#)

European Respiratory Society Marie Skłodowska-Curie Fellowship



Dr Neil J Stewart

We are delighted to welcome Dr Neil J Stewart back to the University of Sheffield, by way of a European Respiratory Society (ERS) Global Marie Skłodowska-Curie Fellowship, to work in the POLARIS group on the feasibility of hyperpolarised gas lung Magnetic Resonance Imaging (MRI) to assess infant lung disease.

[Read more](#)

MultiSim at the EPSRC Engineering Research for Grand Challenges



On Tuesday 17 September, members of the MultiSim team represented the Insigneo Institute at the EPSRC Engineering Research for Grand Challenges in

central London. This was part of the Global Grand Challenges Summit: Engineering in an unpredictable world, the second in a series of summits jointly hosted by the UK, US, and Chinese academies of Engineering.

[Read more](#)

Professor Paul Evans joins NC3Rs Board

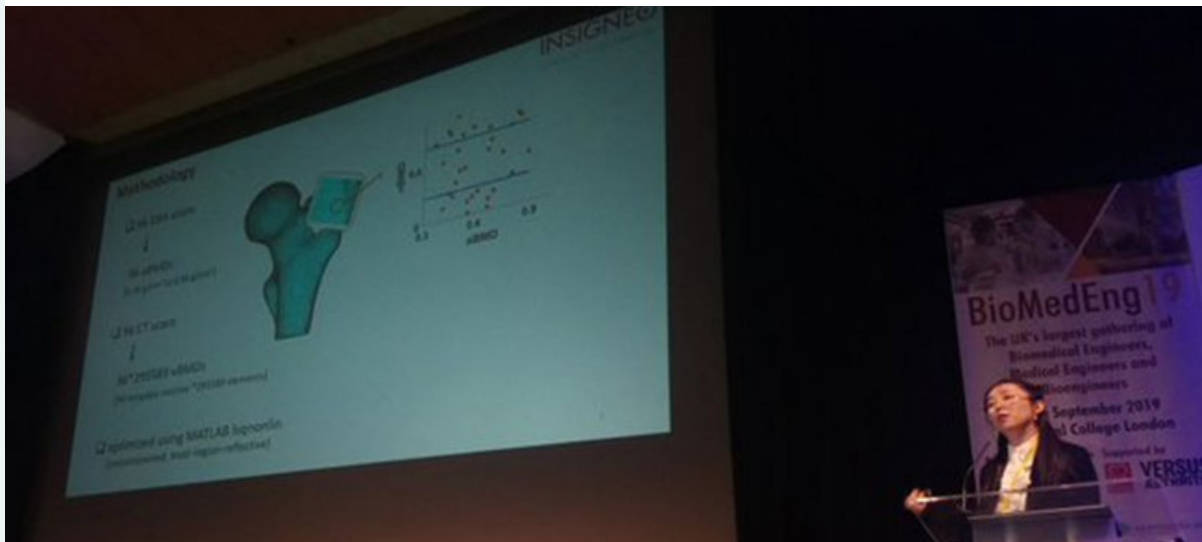


National Centre
for the Replacement
Refinement & Reduction
of Animals in Research

Insigneo member Professor Paul Evans, Professor of Cardiovascular Science at the University of Sheffield, has been announced as a new member of the National Centre for the Replacement, Refinement & Reduction of Animals in Research (NC3Rs) board. Also joining the board are Professor Christopher George, Ms Linda Horan, Professor Nick Plant and Dr Sally Robinson.

[Read more](#)

VPHI-UK chapter at BioMedEng 19 Conference



The VPHi-UK chapter has organised the first two events at the BioMedEng conference that was held in London on 6 September 2019.

The activities started with the first General Assembly of the chapter. The General Assembly was followed by a Special Session organised by the chapter: "Virtual Physiological Human Research- VPHi-UK Chapter".

[Read more](#)




Guest Lectures, Conferences & Seminars



Insigneo Events

21 November 2019

[Insigneo Seminar: Feeding the baby: a multiscale model of placental transport \(Professor Oliver Jensen, University of Manchester\)](#)

2 December 2019

[Insigneo Seminar: Materials science and computer modeling as foundation for medical device innovation \(Markus Reiterer, Medtronic PLC\)](#)

13 January 2020

[Modelathon 2020: Optimisation of interventions for osteoarthritic patients with multi-scale modelling](#)

30 January 2020

Insigneo Seminar: Dr Rudy Lapeer - School of Computing Sciences (CMP), University of East Anglia

19 March 2020

InsigneoSeminar/Mechanobiology Club - Dr Kim van der Heiden (Erasmus MC) & Dr Annica Gad (Department of Oncology & Metabolism, University of Sheffield)

21 April 2020

[Insigneo Seminar: "Mechanobiology of cell migration: connecting mathematical models and microfluidic-based data" \(Professor José Manuel García-Aznar, University of Zaragoza\)](#)

1 May 2020

Insigneo Showcase 2020 - **save the date!**

14 May 2020

[Insigneo Seminar: Professor Sarah Waters - Mathematical Institute, University of Oxford](#)

Other events

17 October 2019

[N8 CIR Success in the Cloud, Sheffield](#)

6 December 2019

[10th Annual Mellanby Centre Research Day, Sheffield](#)

24 - 28 February 2020

Advanced International School on imaging, modeling, and simulation in biomechanics and mechanobiology, Rome

26 August 2020

VPH2020 – save the date!

14 September 2020

BioMedEng 2020 conference – Save the date!

For a full list of upcoming events visit: <http://insigneo.org/events/>

Vacancies

Chair in Computational Modelling in Cardiovascular Disease

Publications

Research output affiliated to Insigneo in Scopus (please ensure papers are affiliated to the Insigneo Institute by including the words "Insigneo Institute for *in silico* Medicine"):

Cardiovascular models for personalised medicine: Where now and where next? (Medical Engineering & Physics) D. R Hose, P. V. Lawford, W. Huberts, L. R. Hellevike, Stig W. Omholt, F. N. van de Vossef

Heterogeneity in The Mechanical Properties of Integrins Determines Mechanotransduction Dynamics in Bone Osteoblasts (Scientific reports) A. Shuaib, D. Motan, P. Bhattacharya, A. McNabb, T. M. Skerry, D. Lacroix

Starters & Leavers

A warm welcome to:

New members

Dr Hannes P Saal

Lecturer in Cognitive Science & Computational Modelling, Department of Psychology

Dr Samer Alabed

Cardiac MRI Research Fellow in Artificial Intelligence, Sheffield Teaching Hospitals
& Department of Infection, Immunity & Cardiovascular Disease

Dr Ipsita Roy

Professor of Biomaterials, Department of Material Science and Engineering

Dr Mark Mills

Clinician, Sheffield Teaching Hospitals

Staff

Ms Ellen Buckley - Research Associate - Mobilise-D (Claudia Mazzà)

PhD Students

Alice Hann - PhD student supervised by Gwen Reilly

William Henson - PhD student supervised by Claudia Mazzà

Malwina Matella - PhD student supervised by Dawn Walker

Dylan Villkhu - PhD student supervised by Alberto Marzo

Visitors

Giulia De Donno - Visiting student of Enrico Dall'Ara

Goodbye and thank you to:

Dr Aban Shuaib - PDRA in the Department of Oncology & Metabolism

Insigneo Institute

for *in silico* Medicine

F Floor- Room F19

The Pam Liversidge Building

Sir Frederick Mappin Building

The University of Sheffield

Mappin Street

Sheffield, S1 3JD

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