

Insigneo Newsletter - October 2020

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 General Assembly 2020



The graphic features the Insigneo logo and text on the left, and abstract geometric shapes (a grey circle with a red triangle, and a grey arc) on the right. At the bottom, there is a grey bar with the Insigneo logo on the left and the website URL on the right.

INSIGNEO
Institute for *in silico* Medicine

Insigneo General Assembly

Thursday, 15th October 2020, 14:00 - 16:00

INSIGNEO www.insigneo.org

On Thursday 15 October 2020 the Insigneo Institute's members took part in our 9th General Assembly which took place online for the first time.

Insigneo Interim Executive Director, Professor Jim Wild, opened the meeting with an update on the review of Insigneo's vision and direction, and the institute's activities for the year. This was followed by scientific presentations from Insigneo's members and guest speakers.

[Read more](#)

Insigneo Summer Research Programme Posters 2020

Prof Claudia Mazzà recognised with Suffrage Science award that celebrates women in STEM

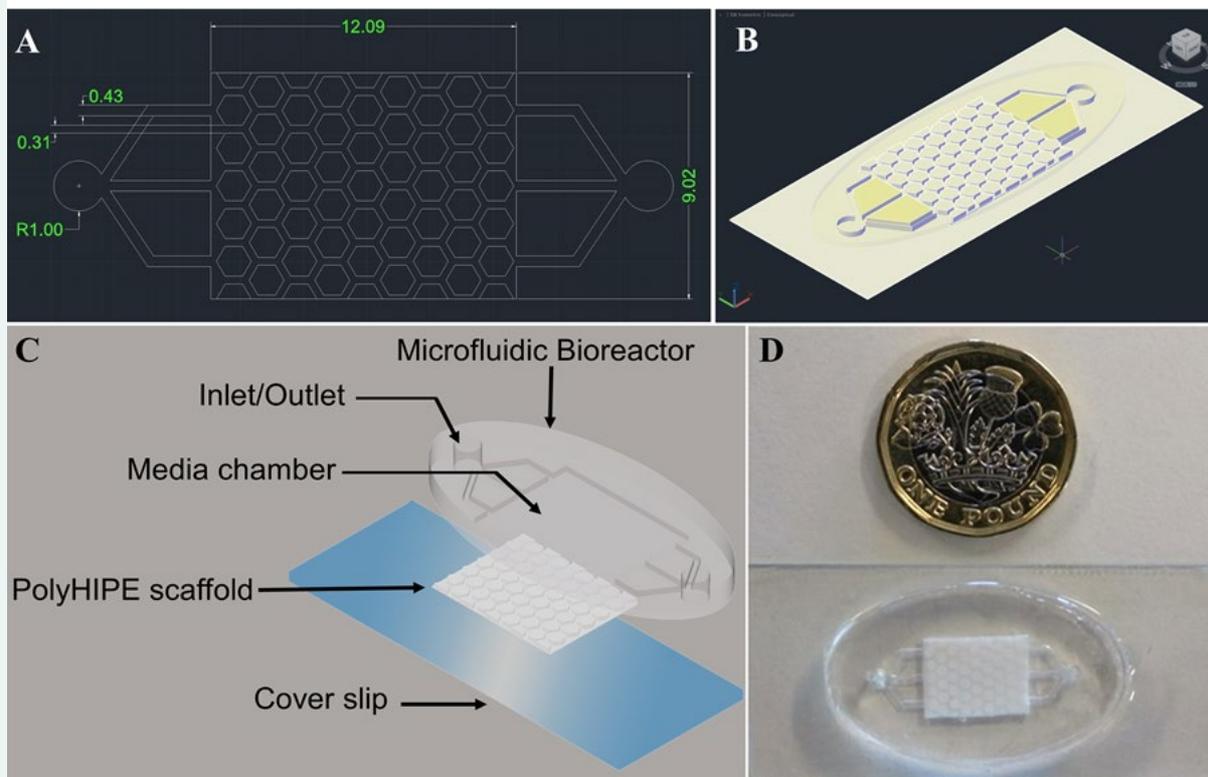
SUFFRAGE SCIENCE

Celebrating and inspiring women in science

Congratulations to Claudia Mazzà, Professor of Biomechanics from the Department of Mechanical Engineering at the University of Sheffield who has been chosen to receive a prestigious award celebrating the achievements of women in STEM.

[Read more](#)

Lab-grown bone could change the way we test new medical treatments



A new technology that could be used to test new treatments for human organs and

bone tissue – all whilst reducing the need for animal research – has been developed by engineers at the University of Sheffield.

The study, led by researchers from the University's Department of Materials Science and Engineering and the Insigneo Institute for *in silico* Medicine, along with collaborators from Universitat Ramon Llull, Spain, developed a bone-on-a-chip device containing mini scaffolding that can be used to grow human bone tissue in the laboratory.

[Read more](#)

The Royal Society Interface Focus, CompBioMed Conference 2019 Themed Issue

Part 1 of a two-part themed issue resulting from papers originally submitted to the CompBioMed Conference 2019 has now been published with many articles available for all to read as open source articles, The Royal Society Interface Focus. Part 2 of the themed issue, on Organs and Systems, will be published on 11 December 2020

[Read more](#)

Insigneo Seminar Series



Insigneo Seminar: Novel engineering strategies for the local targeted treatment of head and neck cancer

Professor Luc Mongeau
McGill University, Canada
6 November 2020

The next Insigneo Seminar will take place online at 3.30pm on Friday 6th November 2020. Professor Luc Mongeau from McGill University will give a seminar on 'Novel engineering strategies for the local targeted treatment of head and neck cancer'. A calendar invitation has been sent out to Insigneo members with joining details.

Insigneo members can suggest speakers for future seminars by contacting Dr Pinaki Bhattacharya using the google form sent out by email recently.

Guest Lectures, Conferences & Seminars

Insigneo Events

6 November 2020

Insigneo Seminar: Professor Luc Mongeau

Other Events

27 October 2020

RSE Hacktoberfest session 4

9 November 2020

Sano Seminar: Maximilian Hüb – Institut Für Informatik, Ludwig-Maximilians-Universität (LMU), München, Germany

17 November 2020

Sano Seminar: Tadeusz Satława – Sano T2 Project, ACC Cyfronet AGH

23 November 2020

Sano Seminar: Vivek Sheraton Muniraj – Amsterdam Medical Centre and Institute For Advanced Study (IAS), Amsterdam, The Netherlands

30 November 2020

Sano Seminar: Thomas Reiss – Fraunhofer Institute for Systems and Innovation Research IISI Karlsruhe, Germany

7 December 2020

Sano Seminar: Dieter Kranzlmüller – Institut Für Informatik Der LMU, Muenchen, Germany and Leibniz Rechenzentrum (LRZ), Garching, Germany

14 December 2020

Sano Seminar: Irena Roterman-Konieczna – Communication in living organism

6 - 7 September 2021

BioMedEng21 - Save the date!

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

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"):

Design and Evaluation of an Osteogenesis-on-a-Chip Microfluidic Device Incorporating 3D Cell Culture (Frontiers in Bioengineering and Biotechnology) H. Bahmaee, R. Owen, L. Boyle, C. M. Perrault, A. A. Garcia-Granada, G. C. Reilly, F. Claeysens

A joint kinematics driven model of the pelvic soft tissue artefact (Journal of Biomechanics) V. Camomilla, T. Bonci

Treatment of Primary Autoimmune Cerebellar Ataxia with Mycophenolate (Cerebellum) M. Hadjivassiliou, R. A. Grunewald, P. D. Shanmugarajah, P. G. Sarrigiannis, P. Zis, V. Skarlatou, N. Hoggard

Heterogeneous Strain Distribution in the Subchondral Bone of Human Osteoarthritic Femoral Heads, Measured with Digital Volume Correlation (Materials) M. K. Ryan, S. Oliviero, M. C. Costa, J. M. Wilkinson, E. Dall'Ara

Development of Subject Specific Finite Element Models of the Mouse Knee Joint for Preclinical Applications (Frontiers in Bioengineering and Biotechnology) S. Zanjani-Pour, M. Giorgi, E. Dall'Ara

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