

Fourth Annual Biomaterials Discovery Workshop

15th and 16th January 2020
Jubilee Conference Centre, Nottingham, UK

Wednesday 15th January 2020

Registration open from 9:00

09:30 - Welcome

09:40 - **Prof. Omid Veischi** (Rice University Texas)
Immune Modulatory Biomaterials for Cell-Based Therapies

10:40 - Dr. Laurence Burroughs (University of Nottingham)
The ChemoTopoChip: Combinatorial Material-Topography Screening

11:00 - Dr. Graziela Figuerdo (University of Nottingham)
Data Handling: Intelligent Analysis and Management

11:20 - *Morning Break*

11:40 - Rowan Earlam (University of Nottingham)
Recombinant spider silk protein hydrogels for tissue engineering

12:20 - Aysegul Dede-Eren (Eindhoven University of Technology)
Highway to Tenogenesis: From in vivo to in vitro approach to engineer a culture microenvironment for tendon fibroblasts

12:40 - *Lunch*

13:40 - Joris Meurs (University of Nottingham)
High throughput surface proteomics for examining cellular response on biomaterial surfaces

14:00 - Dr. Amanda Wright (University of Nottingham)
Imaging and sensing the micro-environment of cells in 4D

14:20 - **Prof. Sarah Cartmell** (University of Manchester)
Title to be confirmed

15:20 - *Afternoon Break*

15:40 - **Prof. Jennifer Elisseeff** (Johns Hopkins)
The immunology system in tissue repair and biomaterial response

16:40 - Closure

18:30 - Optional dinner at Baresca for those who have pre-registered

Thursday 16th January 2020

Registration open from 9:00

09:30 - Welcome

09:40 - **Prof. Alvaro Mata** (University of Nottingham)

Turning molecules into functional biomaterials through supramolecular engineering

10:40 - Prof. Patricia Dankers (Eindhoven University of Technology)

Supramolecular polymeric materials as synthetic extracellular matrices: from design to high throughput screening

11:40 - Dr. Andrew Hook (University of Nottingham)

Surface analysis and biomaterial development

12:00 - *Lunch and posters*

13:00 - **Prof. Tim Tolker-Nielsen** (University of Copenhagen)

Mechanisms of biofilm-associated antimicrobial tolerance

14:00 - Dr Olutoba Sanni (University of Nottingham)

Discovery of a polymer using a predictive structure relationship model capable of reducing biofilm formation

14:20 - Dr. Nicola Farthing (University of Nottingham)

Holographic microscopy as a tool to understand the interaction of swimming cells with biomaterials

14:40 - Kiril Kalenderski (University of Nottingham)

A new bacterial resistant polymer catheter coating to reduced catheter associated urinary tract infection - a first-in-man pilot study

15:00 - *Afternoon break*

14:00 - **Ann Kramer** (Electrospinning Company)

The next step: Translating electrospinning biomaterials research into a medical device

16:30 - Poster award presentation and closure

16:45 - Drinks reception

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