

ERC BIOBLOOD

The BioBlood project aims to deliver personalised healthcare through a “step change” in the clinical field of haemato-oncology. BioBlood represents an engineered bio-inspired integrated experimental/modelling platform for normal and abnormal haematopoiesis that receives disease & patient input (patient primary cells & patient/disease-specific data) and will produce cellular (red blood cell product) and drug (optimal drug treatment) therapies as its output.

For more information, please visit:

<http://www.erc-bioblood.eu/>



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ERC-BioBlood
Symposium: Engineering
a Bone Marrow
Biomimicry

20 April 2018
Imperial College
London



BioBlood



European Research Council
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BioBlood Symposium

Engineering a Bone Marrow Biomimicry

20th April 2018

Lecture Theatre 2,
ACEX 203,

Chemical Engineering
Department,

Imperial College
London

Programme

- 9.00-9.15 **Welcome** (Prof. A. Mantalaris and Dr. N. Panoskaltsis, Imperial College London)
- 9.15-9.45 **Keynote 1: Current challenges in the management of Acute Myeloid Leukaemia** (Prof. C. Craddock; Queen Elizabeth Hospital, University of Birmingham)
- 9.45-10.05 ***In vitro* erythropoiesis in a 3D bone marrow biomimicry** (Susana Brito dos Santos; BSEL, Imperial College London)
- 10.05-10.25 **Engineering of a perfused hollow fibre bioreactor for human erythropoiesis** (Prof. A. Mantalaris; BSEL, Imperial College London)
- 10.25-10.45 **Towards personalised healthcare – developing a 3D leukaemia biomimicry** (Joana dos Santos; BSEL, Imperial College London)
- 10.45-11.05 **Mathematical Model to Predict Chemotherapy Outcomes** (Dr. A. Quiroga-Campano; BSEL, Imperial College London)
- 11.05-11.20 **Coffee break (ACEX 207)**
- 11.20-12.00 **Keynote 2: Transcriptional regulation of erythropoiesis** (Prof. J. Strouboulis; Institute of Molecular Biology and Biotechnology, Crete, Greece)
- 12.00-12.20 **The Immune-metabolism of Acute Myeloid Leukaemia** (Dr. S. Zemenides; BSEL, Imperial College London)
- 12.20-13.00 **Keynote 3: Megakaryocytic microparticles for cell- and gene-therapies** (Prof. T. Papoutsakis; University of Delaware, USA)

This event is free but registration is required.
Please register your interest: [click here](#)

Any queries, please contact [Ms Cristina Romano](#)

