

CONFERENCE PROGRAM

Wednesday March 11th, 2015

13:00 - 14:00 Registration

14:00 - 14:15 WELCOME & OPENING REMARKS

CNRS representative

14:15 - 14:30 Welcome / Introduction BIOMIM

Pr. Catherine Picart

Grenoble INP - LMGP, Grenoble, France

14:30 - 15:10 Bone growth patterning in vivo using microporosity in biphasic calcium phosphates

Amy Wagoner Johnson

University of Illinois at Urbana-Champaign, USA

15:10 - 15:30 Selected Talk

15:30 - 15:50 am COFFEE BREAK

15:50 - 16:30 Engineering hydrogels as stem cell microenvironments

Matthias Lütolf

LSCB - Ecole Polytechnique Fédérale de Lausanne, Switzerland

16:30 - 16:50 Selected Talk

16:50 - 17:30 Deconstructing the muscle stem cell niche

Shahragim Tajbakhsh

Institut Pasteur, Paris, France

17:30 - 18:00 pm Flash Presentations

18:00 - 21:00 pm POSTER SESSIONS & RECEPTION

21:00 pm NANOSCIENCES FOUNDATION BEST POSTERS AWARD

Thursday March 12th , 2015

8:45 - 9:00 WELCOME

9:00 - 9:40 Harnessing the power of organic electronic devices for live cell toxicology monitorin

Roisin Owens

Center of Microelectronics in Provence, Gardanne, France

9:40 - 10:00 Selected Talk

10:00 - 10:40 Living cells orientation: a mechanical compass behavior

Martial Balland

University Grenoble 1, France

10:40 - 11:00 COFFE BREAK

11:00 - 11:40 Steering cell adhesion and signaling at the nanoscale

Ada Cavalcanti-Adam

Max Planck Institute for Intelligent Systems, Stuttgart, Germany

11:40 - 12:00 Selected Talk

12:00 - 12:40 Actin dynamics, contractility and motility

Rajaa Boujemaa-Paterski

iRTSV - University Grenoble 1, France

12:40 - 14:30 pm LUNCH

14:30 - 15:10 Bone and vascularization

Marie-Hélène Lafage-Proust

Hospital - University of St Etienne, France

15:10 - 15:30 Selected Talk

15:30 - 16:10 3D Synchrotron Imaging of Bone Tissue: from micro to cellular scale

Françoise Peyrin

INSA Lyon, France

16:10 - 16:30 COFFE BREAK

16:30 – 16:50 Selected Talk

16:50 - 17:30 Nuclear envelop proteins and mechanotransduction in muscle dystrophies

Catherine Coirault

Institut de Myologie, Paris, France

5:30 pm END OF SESSION

6:30 pm VISIT OF an EXHIBITION

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8:00 pm CONFERENCE DINNER

Friday March 13th, 2015

8:45 - 9:00 WELCOME

9:00 - 9:40 Glycan-rich matrices - from supramolecular organization to biological function

Ralf Richter

CIC, San Sebastian, Spain

9:40 - 10:00 Selected Talk

10:00 - 10:40 Heparan sulfate and the CXCL12 chemokine: How GAGs help chemokines in promoting cell migration

Hugues Lortat-Jacob

IBS, Grenoble, France

10:40 - 11:00 COFFEE BREAK

11:00 - 11:40 Biomimetic materials and in-vitro approaches for characterizing pathogen-host interactions

Susan Daniel

Cornell University, Ithaca, USA

11:40 - 12:00 Selected Talk

12:00 - 12:40 Biomimetic polymersomes for therapy and imaging

Sébastien Lecommandoux

LCPO, Bordeaux, France

12:40 - 14:00 *LUNCH BUFFET*

14:00 - 15:00 NAMICEB KEYNOTE LECTURE

Biofunctional Hydrogels for Regenerative Medicine

Andrés García

Georgia Institute of Technology, Atlanta, USA

15:00 ERC Biomim short talk and poster award

END OF THE MEETING