



Joint symposium Société française de biologie de la matrice extracellulaire
GDR réparer l'humain - WP3 'Interface cellules - environnement'

Engineering Matrices: from cells to tissues

Monday 21 November 2022 at ICBMS

La Doua, Lederer building, 1 Rue Victor Grignard, Villeurbanne

This free one-day joint symposium will provide meeting and exchange opportunities to clinicians, professionals and researchers interested in novel approaches to create 3D tissues, the study of cells interactions with native and synthetic microenvironments and the resulting breakthroughs that can be clinically translated.

The symposium aims to address technological innovations and transversal tools to understand and reproduce the natural extracellular matrix. It will specifically address skin and bone problematics at different scales.

The following topics will be addressed:

- Technical innovations to create 3D tissues
- Tools to decipher cells/matrix microenvironment
- *in vitro* skin physiopathology
- Mechanobiology and cell fate applied to skeletal tissues

Invited speakers:

A. Marques (IBBs, U Minho), N. Broguière (EPFL, Lausanne), J. Paez (U Twente), C. Leclech (Polytechnique, Palaiseau), J-D. Malcor (LBTI, Lyon), M. Rielland (L'Oréal), V. Flacher (IBMC, Strasbourg), S. Gouardères (RESTORE, Toulouse), K. Anselme (IS2M, Mulhouse), P. Fratzl (Max Planck, Potsdam)

Posters are encouraged and young researchers (PhD students and post-docs) will have the opportunity to better describe their research in flash presentations. Register quickly as the number of flash presentation slots is limited to 20!

Registration is free but mandatory as places are limited, so please register quickly.

Industrial attendees are welcome and their registration is also free of charge.

<https://framaforms.org/engineering-matrices-from-cells-to-tissues-1656600800>

Organizing committee: Laure Gibot, Emeline Groult, Sabrina Kellouche,
David Marchat, Laurent Muller, Jérôme Sohier

Preliminary program :

9h00 – 9h15: Welcome of participants/ Opening of the symposium

9h15 - 10h15: Session 1: Technical innovations to create 3D tissues

- Alexandra Marques ((I3Bs, University of Minho, Portugal)
- Nicolas Broguière (EPFL, Lausanne, Switzerland)

10h15 - 11h00: Flash presentations by young researchers

11h00 - 11h45: Coffee break and poster session

11h45 - 12h55: Session 2: Tools to decipher cell-matrix interactions

- Julieta Paez (University of Twente, The Netherlands)
- Claire Leclech (LadHyX, Ecole Polytechnique, Palaiseau)
- Jean-Daniel Malcor (LBTI, Lyon)

12h55 - 14h00: Lunch break and posters session

14h00 - 15h00: Session 3: Mechanobiology and cell fate applied to bone

- Peter Fratzl (Max Planck Institute, Postdam, Germany)
- Karine Anselme (IS2M, Mulhouse)

15h00 - 15h40: Coffee break and poster session

15h40 - 17h00: Session 4: *In vitro* skin physiopathology

- Maité Rielland (L'Oréal, Aulnay-sous-Bois)
- Vincent Flacher (IBMC, Strasbourg)
- Sara Gouardères (RESTORE, Toulouse)

17h00: Closing of the symposium