

The European Strategic Cluster Partnership
for Smart Specialization Investment in Medical Technologies

S3martMed WEBINAR

3D printing of Medical Devices

Innovative projects across Europe

MAY 23TH 2019 , 11h00 - 12h15

Agenda

Date: May 23th 2019

- 11.00 – 11.10** **Welcome: Introduction of the „S3smartMed“ project.** *by Emilie Romeo, Lyonbiopole (Auvergne-Rhône-Alpes)*
- 11.10 – 11.30** **Bio-based Biomaterials: modified Gelatins for Printing, Spraying, Coating.** *By Dr. Kirsten Borchers, Fraunhofer IGB (Baden-Württemberg)*
- Gelatin solutions with adjusted viscosities
 - Chemically cross-linked hydrogels with adjusted stiffness and swelling
 - Stabilized cell function in 3D environment: bone, cartilage, capillary networks
 - Processing of cells and matrix: ink-jet, dispensing, stereolithography
 - Pro-angiogenic coatings
- 11.30 – 11.50** **Presentation of the French 3d.FAB platform,** *by Dr. Christophe Marquette, (Auvergne-Rhône-Alpes)*
- Its recent structuration toward translational research with the Hospice Civil de Lyon and
 - Its activity within the medical device development, field using additive manufacturing
- 11.50 – 12.10** **3D Printing and Rapid Prototyping,** *by Mateusz Pawlik, CEO, Medical Engineer, CABIOMEDE (Upper Silesia)*
- R&D on demand for medical, sport and rehabilitation industry by means of 3D printing applications in a way of custom-made mass scale manufacturing
- 12.10 – 12.15** **Q&A session**

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