

Innovations-Workshops Additive Manufacturing (AM)

AM – Supporting Structures for Drug Delivery

Three Workshops for Innovation leaders

The additive manufacturing processes enable new applications in many areas. In medical technology, prostheses, implants, surgical models and artificial tissues are already produced with this technology.

In the field of drug delivery, there is a need to ensure that the right dose is administered at the right place for the desired duration of treatment as gently as possible. Here generatively manufactured carrier structures can make new treatment methods possible.

Participants of these workshops

- know the topic either from a medical or a technical point of view
- have a need to apply solutions in practice
- are willing to work with experts from various fields to develop solutions
- are interested in working with partners on feasibility tests

1. Workshop:

**Wednesday 27. November 2019, 11:00 – 16:30 at HES-SO, HEIA Fribourg,
1732 Marly, Route de l’Ancienne Papeterie 180**

In cooperation with

Innovation field: AM – Supporting Structures for Drug Delivery

In the medical field, additive manufacturing (AM) is used in many areas. Whether hearing aids, dental braces, surgical models, prostheses or osteosynthesis implants - AM offers excellent possibilities for developing new business opportunities.

Within this workshop the focus is on AM supporting structures for drug delivery. This could be tablets, implants or prostheses. Examples:

- Polypills are personalized tablets containing multiple drugs, which can be produced according to the customers needs at the point of sales.
- Tablets expand when ingested. Expanding tablets remain longer in the stomach and can give off drugs for a longer period.
- Artificial tissues or prostheses give off drugs after an operation.

Target of the workshops

Knowledge sharing, solution finding, networking

Methodology

- Solution finding in workshops
- Apply creativity methods (e.g. morphological box)
- Know how transfer in discussions and presentations



Source: Harvard Medical School

1. Workshop: Wednesday 27. November 2019, 11:00 – 16:30

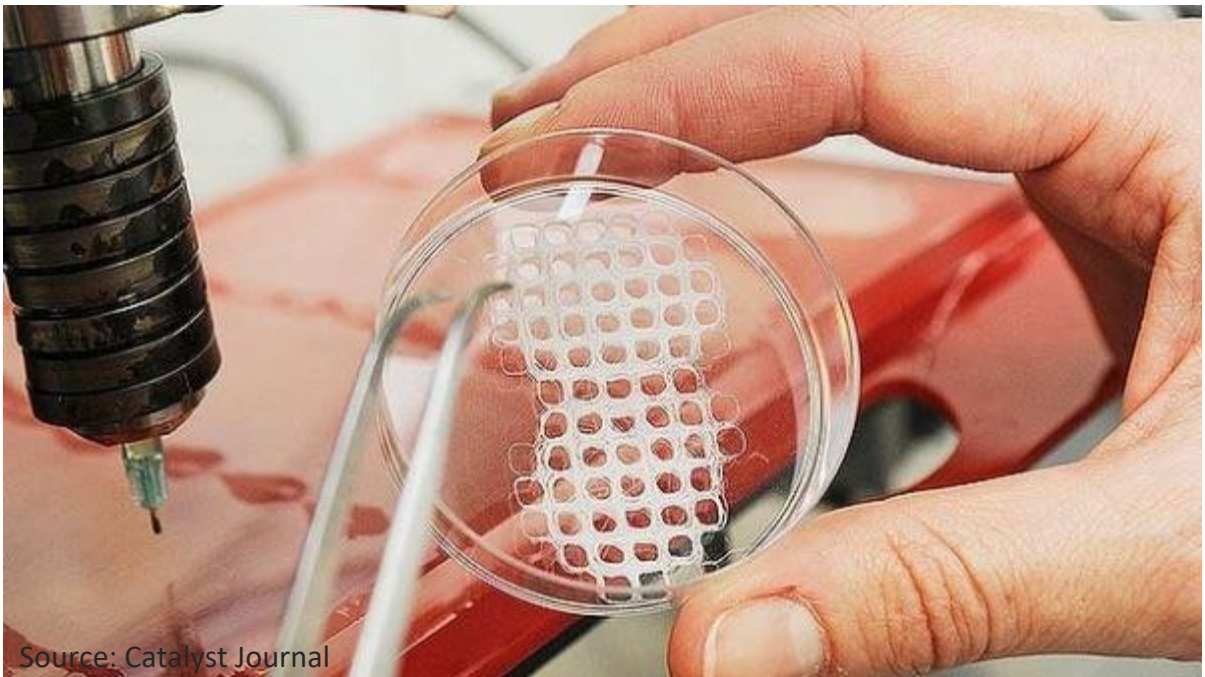
- state of the art presentation
- identify participants interest and needs
- technology gap analysis (basis for innovation)
- define next workshop

2. Workshop: Wednesday 12. February 2020, 11:00 – 16:30

- review of the results from the 1st workshop
- define and prioritize the potential of different solutions
- optimization of favorite solutions
- define next workshop

3. Workshop: Wednesday xx. April 2020, 11:00 – 16:30

- working out the favorite solution
- define a road map for a research project
- drawing-up a rough project plan

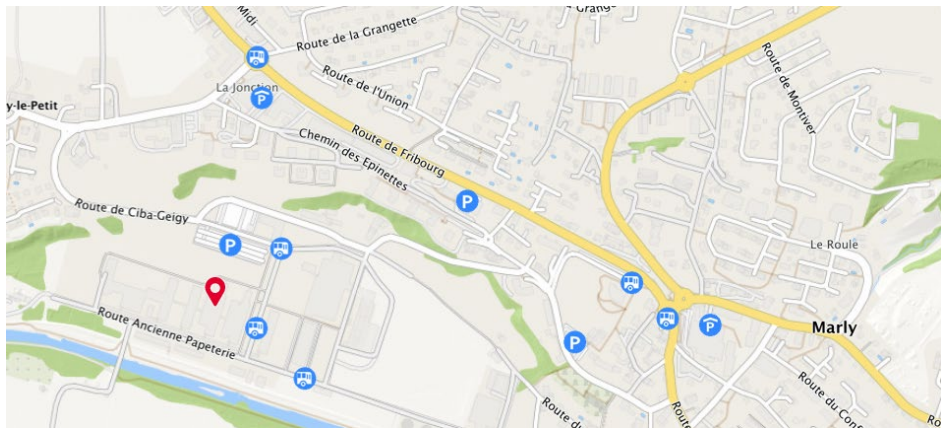


Source: Catalyst Journal

Organizational Matters

- Login and registration** [Registration Form](#) or via contact@amnetwork.ch until November 1st, 2019
- Cost** Members AM-Network: per Workshop 500 CHF, total: 1'200.- CHF
Non-members: per Workshop 600.- CHF, total 1'500.- CHF
- Cancellation** Until November 1st 2019, CHF 100, then the full fee.
- Participants** Members of the AM Network will be considered first. Number of participants is limited. Per company max. 2 participants.
- How to get there** College of Engineering and Architecture of Fribourg, iPrint
Route de l'Ancienne Papeterie 180
CH-1732 Marly
- Contact** AM Network: Hendrik Holsboer, Management Director
+41 79 910 15 92, hendrik.holsboer@amnetwork.ch
HES-SO, iPrint: Fritz Bircher, Institute Director
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How to get there



Organizer



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contact@amnetwork.ch

Network partners



Apply for a partnership!