

# M3DLoC Project Newsletter

2020

## Additive Manufacturing of 3D Microfluidic MEMS for Lab-on-a- Chip applications

M3DLoC aims at the employment of multi-material 3D printing technologies for the large-scale fabrication of microfluidic MEMS for lab-on-a-chip and sensing applications. The concept is based on the combination of multimaterial direct-ink-writing method and an extrusion-based 3D printing pilot line, in order to fabricate microstructured detection devices with the ability to perform all steps of chemical analysis in an automated fashion



## Newsletter 3

### M3DLoC Open Day Workshop & Exhibition Event

The M3DLoC Project had its 1st Open Day Workshop & Exhibition on the 23rd January 2020, at *the Crowne Plaza Hotel*, Brussels, Belgium. The aim of this workshop was to bring together experts, developers and end-users, to discuss exciting new developments in the project and in the field of microfluidic biomedical devices, development of 3D printing equipment and use of nanomaterials such as graphene for 3D printing applications. The workshop was a unique occasion for networking, related EC project clustering and enhancement of exploitation opportunities.

Senior members coming from leading pharmaceutical, bio-medical and healthcare organisations participated in the **M3DLoC Open Day 2020 Workshop and Exhibition**, such as: **GSK, GE Healthcare (Whatman), Viscofan, Fluigent, Keralty**, among others.



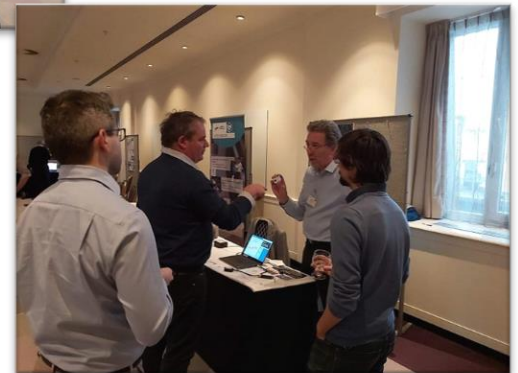
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## PARTNERS

- National Technical University of Athens - NTUA
- University of Limerick
- Universidade de Aveiro
- AltraTech Limited
- Cambridge Nanomaterials Technology Ltd
- University of Strathclyde
- RayScan Technologies GmbH
- Avanzare Innovación Tecnológica SL
- VITO
- IRES
- M-SOLV
- Fraunhofer ILT
- BioG3D
- Microliquid S.L.
- PolyPico Technologies Ltd
- ELVESYS SAS
- NTUA-AMDC - Lavrion Technological and Cultural Park
- Joanneum Research - Health



*M3DLoC Open Day 2020 Exhibition Area*



## Contact Us

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## Dissemination Activities

In 2020 due to the COVID-19 pandemic, many of the activities programmed for this year had to be cancelled, postponed or held as virtual meetings.

The Summer School originally planned to be held in July in Greece had to be postponed for a further date.

Activities to help combat this pandemic have been carried out by several **M3DLoC** Partners. The **National Technical University of Athens (NTUA)**, **M3DLoC** Project Coordinator, established the 3DP-NTUA Hub, to work on the preparation of face shields and other consumables, in order to support the healthcare workers in Greece, in collaboration with dedicated Covid-19 Hospitals, during the difficult fight against the pandemic.



Several partners of the **M3DLoC** Project participated in the two **NanoMarket Online Workshops (EPPN)** held on the 17<sup>th</sup> & 30<sup>th</sup> April 2020. The workshops were organized by CNT Ltd partner of **M3DLoC** and **EPPN** Projects. **NTUA** gave a presentation about the project. The aim of the NanoMarket Workshop was to develop a platform for direct interaction between pilot production organisations and potential new users and investors.

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*on-a-Chip applications*

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