MedLoCexpo

Community

Issue 1 - 2023

Newsletter 1

MedLoCexpo Community

Welcome to the 1st edition of the MedLoCexpo Community newsletter, linked to the MedLoCexpo platform. This community platform has been developed and managed by Cambridge Nanomaterials Technology Ltd (CNT Ltd), and its Brussels based sister company CNT Innovation, with the aim to support commercialisation of the medical devices and Lab-on-a-Chip applications.

This community gives its members, the opportunity to learn about progress in the development in medical devices and Lab-on-a-Chip applications, through the different annual workshops and newsletters. It also provides a platform to exchange experience and discuss issues in materials characterization and data management, between technology developers in industry and researchers in academia.

You could become part of our exclusive virtual community and increase your visibility and business growth opportunities by joining the key market players and vibrant industrial decisionmakers, technology developers and investors. This is an area to showcase your organisation, products and services on your dedicated virtual EXPO booth. If you are interested in becoming a community member and exhibiting at the MedLoCexpo please send an email to: info@m3dloc.eu

www.medlocexpo.net

info@m3dloc.eu

MedLoCexpo & Workshop

The MedLoCexpo & Workshops are meetings held in order to support commercialisation of the medical devices and Lab-on-a-Chip applications.

The MedLoCexpo gives opportunity to learn about progress in the development in medical devices and Lab-on-a-Chip applications, through the different annual workshops and newsletters. It also provides a platform to exchange experience and discuss issues related to medical devices, between technology developers in industry and researchers in academia.

These events are being organised yearly, in person and/or online. Community workshop could be organised as individual events, or integrated into a larger conference event. The majority of attendees to these events come from industry. For more information on past events, visit the Workshops page.

The MedLoCexpo & Workshop has been developed during the HORIZON2020 Project M3DLoC. Following the end of the project in June 2022, the MedLoCexpo Community has been open to the partners outside the M3DLoC Project





News from the Community

ELVESYS an ELVESYS brand

www.elveflow.com

To visit ELVESYS virtual EXPO booth, click the picture, or follow the link below:

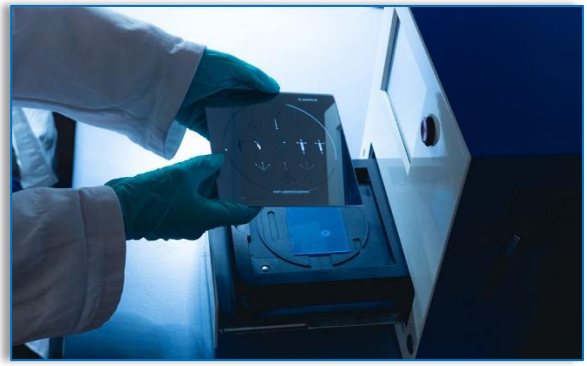
www.medlocexpo.net/elvesys-sas/

Elvesys has launched their new Beta pack for PMMA chip replication

The Beta pack is a PMMA device station that allows users to develop and produce their own microfluidic chips in a short time, using a lithography and hot embossing process that is beneficial in view of upscaling production processes. Its benefits are:

- Fast fabrication process to develop your chip in 5 hours or less.
- Fabricate your high-resolution devices without initial knowledge of microfabrication.
- Highly reproducible processes from reusable molds to PMMA chip fabrication.
- Get advantage of our expertise in photolithography and the hot embossing process.
- Inexpensive and innovative process suitable for different applications.

For more information on this device, please visit their website at this link.



https://vito.be/en

To visit VITO virtual EXPO booth, click the picture, or follow the link below:

/www.medlocexpo.net/vito/

New publications from VITO

Since the end of the EU project M3DLoC (Additive Manufacturing of 3D Microfluidic MEMS for Lab-on-a-Chip applications), former partner VITO has published a couple of scientific articles:

- Intravesicular Genomic DNA Enriched by Size Exclusion Chromatography Can Enhance Lung Cancer Oncogene Mutation Detection Sensitivity – International Journal of Molecular Sciences.
- Depletion of wild-type target enhances the hybridization-based sensitivity of low-abundant mutation detection by reference capture probes - Sensors and Actuators: B. Chemical

To read these publications, please visit VITO's exhibition desk at this link.

LAVRION TECHNOLOGICAL CULTURAL PARK

https://en.ltcp.ntua.gr/

To visit LAVRION virtual EXPO booth, click the

picture, or follow the link below:

www.medlocexpo.net/lavrion/

Training activities and visit to M3DLoC Pilot Plant

National Technical University of Athens Manufacturing Technology Lab (NTUA-MTL) hosted a group of Gdańsk University of Technology (GUT) representatives between July 3-7 2023.

The visit aimed at providing on-site training activities focusing on manufacturing cell integration, scheduling and control via robots and was based on NTUA-MTL's recent engagement with the "Additive Manufacturing of 3D Microfluidic MEMS for Lab-on-a-Chip applications" (M3DLoC) EU project.

The training activities were delivered through a mix of:

- Presentations explaining the relevant objectives, challenges and adopted approaches
- Hands-on activities involving off-line robot programming through specialized simulation software
- On-site training and demonstration performed at the Lavrion Technological Cultural Park (LTCP), where M3DLoC's pilot line is installed.

Visit of students from the Entrepreneurship Hub of the University of Peloponnese

On Friday 9 June /2023, an educational visit of 60 students from the University of Peloponnese took place at the Technological Cultural Park of Lavrion as part of the action of the Entrepreneurship Hub of the Foundation.

The visit was organized in the context of enhancing students' skills in the fields of innovation and entrepreneurship, covering a wide scientific field of interests such as economics, business administration and informatics.

During the visit, the students were informed by A. Hadoumellis, Director of ITPL, about the history of the industrial facilities and the function of the site as an ITPL. They then visited the start-ups established in the Park: BioG3D, in.mat-lab, CONIFY where they were informed about their activity and the application of their products in the market by Jacob Gavalas, Achilleas Amanatidis, ICGB®, Dr. Antonia Ekonomakou, Evangelia Karaxi respectively and the pilot line of the M3DLoC project implemented under the European program H2020. Finally, they had the opportunity to meet and talk with the heads of the companies who provided them with consulting services on how to develop and implement innovative ideas. The students were accompanied by Asimina Altani, a partner of the University's Entrepreneurship Hub.

Join the community!

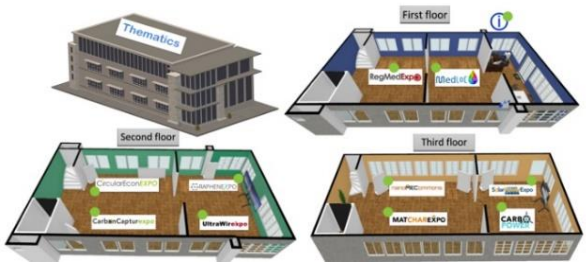
Membership to the MedLoCexpo will give you the opportunity to have a unique virtual booth, designed according to your particular needs. Your exhibition booth will be part of our virtual exhibition space, which has hundreds visits per year from the

MedLoCexpo community. This virtual area will be also available to be accessed through our dedicated umbrella platform of EXPO websites, receiving thousands of visits per year, nanoMATexpo www.nanomatexpo.net

You would be invited to participate, present and exhibit at our unique style industry dominated workshops, dedicated to assisting commercialisation of new technologies and network with technology development and commercialisation leaders.

You will receive support from our library of information, with innovative technology solutions, market and patenting trends, and partnership opportunities.

We would use our annual newsletter, to support and promote your organisation.



NanoMatEXPO Platform

www.nanomatexpo.net