



Contract no. 224306

LABONFOIL

Laboratory Skin Patches and SmartCards based on foils and compatible with a Smartbiophone

INSTRUMENT: Large-scale integrating project (IP)

D14.4 Final report on training activities

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Responsible partner for deliverable: IK4-IKERLAN

Project co-funded by the European Commission within the 7th Framework Programme		
Dissemination Level		
PU	Public	☒
PP	Restricted to other programme participants (including the Commission Services)	☐
RE	Restricted to a group specified by the consortium (including Commission Services)	☐
CO	Confidential, only for members of the consortium (including Commission Services)	☐



Project coordinator: IK4-IKERLAN

Responsible Partner for this Deliverable:

PWR

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1. INTRODUCTION

There have been two types of training depending on who is receiving it: i) internal training for partners and ii) external training for third parties (companies, students).

2. INTERNAL TRAINING

Two types of training:

1. Face to face:

- Course of IK4-IKERLAN to NERC: Nefeli moved from NERC to UoS. This movement left NERC without the expertise to work on the validation of the LABONFOIL system. Therefore, NERC needed to train a new researcher in the use of LABONFOIL instrument. To do so, Kristos Loukas from NERC spent a month at IK4-IKERLAN facilities in order to train a new personnel.
- EVG organized an intensive training to NERC. Training of the micro-mill and EVG technologies, along with other micro fabrication tools available in the laboratories, have been undertaken. Training has been undertaken for the use of hot embossing by means of an EVG 501. Also training of the EVG 150 for automated spray and spin coating of SU8 has been commenced. Training of the EVG 150 for automated spray and spin coating of SU8 has been undertaken for the realization of thick SU8 masters.
- EVG organized a training to University of Southampton about for hot embossing and lamination; June 2012.
- IK4-IKERLAN organised a 3 days Training for DTU personnel on the use of the LABONFOIL system.
- IK4-IKERLAN gave a one day training to GAIKER-IK4 and Hospital of Cruces on the use of the LABONFOIL system.
- GAIKER-IK4 organised one day training course for Hospital of Cruces on the use of the LABONFOIL system.

2. IK4-IKERLAN organised 8 WebEx and remote maintenance meetings with bio partners: During the performance of the validation of the systems, several issues/conflict/problems raised. They were clarified by the use of internet tools such as WebEx, Skype and above of all Team Viewer.

3. EXTERNAL TRAINING

The second group of training activities was focused on interaction between projects and students. This kind of actions were carried out by academic institutions – PWR, DTU and University of Southampton. The students were involved in training actions in three ways. Selected students realized their diploma works where some issues concerning the project were investigated. The second action was based on presentation of non-confidential results of the projects during lectures. This action, in spite of dissemination of the project, gave to

the student the newest scientific results showing potential or existing advantages of lab-on-a-chip techniques developed in the project. Significant number of students of Electronics, Photonics and Microsystems specialization of Wroclaw University of Technology participated the 4th LABONFOIL Workshop organized in Wroclaw. Furthermore, exchange of the lecturers between PWR and DTU was organized by visiting professors. The third action concerned direct contact of the students with some technical and technological results of the project. For example, subject of one of the practical laboratories of Analytical Microsystem and MOEMS courses carried out in Wroclaw University of Technology, was identification of genetic material by fluorometric method involving methodology and instrumentation developed under frame of the LABONFOIL project.

Additionally, TATAA has organized training courses in immuno-qPCR and trained participants in using the technology.

4. CONCLUSIONS

This last period demanded an important amount of training and collaboration. The validation of the systems required a good knowledge of all the tricks of LABONFOL Labcard system. There has been more than 6 face to face training plus 8 internet meetings using remote maintenance.

On top of that, academic partners have included in their lectures some of the non-confidential strategies used in this project.