

Expression of Interest in Hosting Short Term Scientific Missions

COST Action

CA16215 – European Network for the Promotion of PORTable, Affordable and Simple Analytical Platforms

Host institution

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WG4: Sample treatment and microfluidic

Research proposal of the STSM

Title: Preparation of portable strips for in-situ recognition of analytes

The proposed STSM will be focus in the development of portable strips for *in-situ* recognitions of drugs and/or target proteins. In this sense, the portable strips will be prepared and modified in order to obtain the required selective groups that provide a color sensor. Also, to achieve unambiguous recognition, different materials as (nano)materials, porous polymers and/or reactions will be employed. Depending on the STSM duration, the applicant will be able to prepare strips, modify strip surfaces, synthesize porous polymers and (nano)materials and apply them to *in-situ* detect drugs and/or target proteins.

Duration and minimum qualification requested for applicants

The duration of the proposed STSM is between 1 to 3 months.

Applicants should preferably hold a degree in Chemistry or a related subject. Previous experience with sample preparation techniques and/or analytical instrumentation is recommended.