

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

Analytical and Food Chemistry Department, Faculty of Chemistry, University of Vigo, Campus As Lagoas-Marcosende s/n, 36310, Vigo, Spain

COST participants: Carlos Bendicho; Francisco Pena-Pereira

E-mail addresses: bendicho@uvigo.es; fjpena@uvigo.es

WG4: Sample treatment and microfluidic

Data and duration of the STSM

The proposed STSM pursues the implementation of nanomaterials in miniaturized sample preparation approaches and subsequent combination with miniaturized analytical detection systems for determination of environmentally-relevant analytes. Depending on the STSM duration, applicants would be involved in the synthesis and characterization of nanoparticles, analytical method development and/or validation of the analytical method.

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

Aims of the STSM

The proposed STSM aims to improve the sensitivity and selectivity of previously reported nanoparticle-based analytical methodologies *via* implementation of nanomaterials in miniaturized sample preparation approaches that can be combined with microvolume detection systems.

Minimum qualification requested for applicants

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