



COST STSM Application Form

To be sent by the applicant as attachment by e-mail together with all the documents he/she would like to submit to support the application (full CV, detailed work plan, motivation, etc.) to the

- * Host (who will send his agreement to host the applicant to the MC Chair)
- * MC Chair for evaluation and approval

COST Office Science Officer: DR MAGDALENA RADWANSKA, magdalena.radwanska@cost.eu

COST MC Chair: PROF. PIERRE PAROT, parot@cea.fr

COST STSM Manager: PIERRE PAROT, pierre.parot@cea.fr

COST STSM Reference Number: COST-STSM-TD1002-10006

Period: 2012-05-02 00:00:00 to 2012-05-31 00:00:00

COST Action: TD1002

STSM type: Regular (from Spain to France)

STSM Applicant: Ms Laura Gonzalez, University of Barcelona, Barcelona(ES) , lgonzalez@el.ub.es

STSM Topic: High-speed AFM single molecule force spectroscopy

Host: Simon Scheuring, U1006 INSERM / UNIVERSITE AIX-MARSEILLE, Marseille(FR), simon.scheuring@inserm.fr

Budget Request: Year-2012

Travel	600 Euro
Subsistence (hotel/meals)	1800 Euro
Total	2400 Euro

Short CV:

- Date of birth: December 6th, 1981

EDUCATION

- Ph.D. Student in Biomedicine at Electronics Department, University of Barcelona, 2009 – Present. Thesis: "Characterization of quartz tuning fork based nanosensors in molecular and cell biology studies". FPI grant (BES-2010-031186) for the project TEC2009-10114.
- M.Sc Degree in Biomedical Engineering, University of Barcelona, 2010.
- Postgraduate Certificate in Education, Technical University of Catalonia, 2008.
- Degree in Telecommunications Engineering, Technical University of Catalonia, 2008. Thesis: "Antenna interaction with human head".

Work Plan Summary:

- Establishment of high-speed data acquisition connection with HS-AFM
- Programming of procedures for dynamic force spectroscopy mode
- Programming of procedures for force-clamp mode



COST STSM Application Form

- Establishment of experimental setup (protein adsorption, tip functionalization)
- Data acquisition
- Force curve analysis programming
- Data analysis and interpretation

I request the approval of a COST Short Term Scientific Mission as described above

Applicant

Ms Laura Gonzalez

02 Feb 2012