



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 GIUSEPPE LUGANO, giuseppe.lugano@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-TD1002-12145

Period: 2012-11-18 00:00:00 to 2012-11-24 00:00:00

COST Action: TD1002

STSM type: Regular (from Greece to Spain)

STSM Applicant: Dr GEORGIOS MICHANETZIS, University of Patras, PATRAS(EL) , platon12@mech.upatras.gr

STSM Topic: Evaluation of nanomechanical properties of cells using Atomic Force Microscopy

Host: DANIEL NAVAJAS, University of Barcelona, Barcelona(ES), dnavajas@ub.edu

Budget Request: Year-2012

Travel	350 Euro
Subsistence (hotel/meals)	700 Euro
Total	1050 Euro

Short CV:

Date of Birth: 20-09-1963

Higher Education Degree: Diploma on Mechanical Engineering, PhD on Biomechanics and Biomedical Engineering

10 publications

Work Plan Summary:

The purpose of the work is the training of the applicant on techniques applied to evaluate cell nanomechanical properties using Atomic Force Microscopy. The applicant (Dr Georgios Michanetzis, University of Patras) has already experience in working with Atomic Force Microscopy techniques and Nanoindentation to study morphological and nanomechanical properties of biomaterials. Having presented a lot of relevant work (fe on Nanomechanics of Respiratory Cells Probed with Atomic Force Microscopy), the host group headed by Pr Daniel Navajas (School of Medicine, University of Barcelona) can provide excellent support in terms of facilities and know-how for the training of the applicant on up to date techniques to study morphological and nanomechanical properties of tissues and individual cells using Atomic force Microscopy.

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

Applicant

Dr GEORGIOS MICHANETZIS

30 Oct 2012