



**COST Office Science Officer: Dr Federica Ortelli, [federica.ortelli@cost.eu](mailto:federica.ortelli@cost.eu)**  
**COST MC Chair: Prof Erich Gnaiger, [erich.gnaiger@i-med.ac.at](mailto:erich.gnaiger@i-med.ac.at)**

**COST STSM Reference Number: [COST-STSM-CA15203-35753](#)**

**Period:** 2016-11-21 to 2016-11-28

**COST Action:** CA15203

**STSM type:** Regular (from Hungary to Austria)

**STSM Applicant:** Dr Tímea Komlódi, Semmelweis University, Budapest (HU), [komlodi.timea@gmail.com](mailto:komlodi.timea@gmail.com)

**STSM Topic:** Standardization of protocols in mitochondrial respirometry and fluorimetry

**Host:** Erich Gnaiger, Medical University of Innsbruck, A-6020 Innsbruck (AT), [erich.gnaiger@i-med.ac.at](mailto:erich.gnaiger@i-med.ac.at)

**Budget Request: Year-2016**

Travel	160 Euro
Subsistence (hotel/meals)	590 Euro
Total	750 Euro

**Short CV:**

2013- Master's Degree in Pharmacy; Semmelweis University, Faculty of Pharmacy, Hungary, Budapest  
2013-present- PhD Student; Semmelweis University; Department of Medical Biochemistry

**Work Plan Summary:**

During the 8-day STSM training my aim would be the following: 1.) detection of reactive oxygen species production of permeabilized cells using fluorescent probes; 2.) determination of mitochondrial membrane potential of mitochondria with safranin, TMRM and TPP+; 3.) assessment of mitochondrial P/O ratio by measuring ATP levels fluorometrically.

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

Applicant:

Dr Tímea Komlódi                      31 Oct 2016

