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**COST STSM Reference Number: COST-STSM-MP1301-34519**

**Period: 2016-09-29 to 2016-10-11**

**COST Action: MP1301**

**STSM type: Regular (from Poland to Portugal)**

**STSM Applicant: Ms Beata Kaczmarek, Nicolaus Copernicus University, Toru? (PL), [beatakaczmarek8@gmail.com](mailto:beatakaczmarek8@gmail.com)**

**STSM Topic: Characterization of gelatin and chitosan scaffolds cross-linked by starch addition**

**Host: Fernando Jorge Monteiro, University of Porto, I3S -? Instituto de investigação e Inovação em Saúde (Institute for Research and Innovation in Health Sciences), Porto (PT), [fjmont@fe.up.pt](mailto:fjmont@fe.up.pt)**

**Budget Request: Year-2016**

Travel	300 Euro
Subsistence (hotel/meals)	1500 Euro
Total	1800 Euro

**Short CV:**

10.2013 – now  
Uniwersytet Miko?aja Kopernika (Toru?)  
Department: Chemistry of Biomaterials and Cosmetics  
PhD studies

10.2011 - 06.2013  
Uniwersytet Miko?aja Kopernika (Toru?)  
Department: Chemistry of Biomaterials and Cosmetics  
Specialization: Chemistry of Advanced Materials  
Master studies

10.2008 - 06.2011  
Uniwersytet Miko?aja Kopernika (Toru?)  
Department: Chemistry of Biomaterials and Cosmetics  
Bachelor studies

**Work Plan Summary:**

1. Fabrication scaffolds of gelatin and chitosan in ratio in lyophilization process:
  - a. 100:0
  - b. 75:25
  - c. 50:50
  - d. 25:75
  - e. 0:100
2. Addition of 1, 2 and 5% of starch to the mixture of gelatin and chitosan.
3. Characterisation of scaffolds:
  - a. FTIR
  - b. XPS
  - c. scaffold porosimetry
  - d. number of pores
  - e. pores size.



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

Applicant:

Ms Beata Kaczmarek

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