



EU Marie-Curie Initial Training Network



TRANSPOL

A European Research Training Network at the interface of
Cell/Molecular Biology and Membrane Physics

Topic: Transport and Signalling mechanism in Polarized Cells

Call: FP7-PEOPLE-ITN-210

Proposal Number: 264399

Project title: SILAC, SILAM and TOF imaging applied to brain tissue and cell cultures of different organisms aiming at quantification of differences in the proteome.

Type of position: Early Stage Researcher (ESR)/ PhD position

Reference Code: TRANSPOL-P15

Eligibility: To this position applies a mobility rule. The respective candidate must not have worked for more than 12 months in Germany within the last three years. Furthermore, the candidate needs to be in his/her first four years of his/her research career. The four years are counted from the date a degree was obtained which formally entitles to embark on a doctorate.

Starting date: Beginning of next year

Duration: 36 months

Salary: According to the Marie Curie-ITN rules: around 36000 Euro/year plus monthly mobility allowance of 500 Euro/month

Short description: Application/improvement of *in vivo* quantification of differentially expressed proteins using SILAC (stable isotope labeling of amino acids in cell cultures)-technique and MALDI-TOF imaging.

Applying stable isotopic labelling to cell culture and different organisms, such as mice, zebra fish, fly, yeast, E.coli the SILAC-technique and imaging should be improved by application to brain cell culture and tissue. It is the aim to obtain quantitative data about the proteome of cell culture

Job

Requirements: Experimental background in cell and micro biology, biochemistry and biophysics, SILAC-technology and TOF-imaging

Host Institute: Silantes GmbH
Gollierstr. 70c
80339 München
Germany

Supervisor: Dr. Hermann Heumann
e-mail: heumann@silantes.com
Tel: +49-89-500941-0
Fax: +49-89-500941-29

How to apply:

please send the following documents via e-mail to the
TRANSPOL coordinating office: transpol@rub.de.

- Clearly indicate the project you are applying for by referring to the Reference code of this job offer (see above)
- Letter of motivation (research interests, reasons for applying to this program and project, respectively)
- A complete CV
- Certified copies of University Diploma or Master certificates
- Proof of proficiency in English language
- Two letters of recommendations

**Deadline
for application:** July 31st, 2011

**For further
information:** Please contact the supervisor heumann@silantes.com of this
project or directly the TRANSPOL coordinating office:
transpol@rub.de