



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: The mechanisms of endosome-to-nucleus trafficking and its impact on transcriptional regulation

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

Reference Code: TRANSPOL-P10

Eligibility: To this position applies a mobility rule. The respective candidate must not have worked for more than 12 months in Poland 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: negotiable but no later than October 1st, 2011

Duration: 36 months

Salary: According to the Marie Curie-ITN rules: around 34 400 Euro/year plus monthly mobility allowance of 469 Euro/month

Short description: A number of proteins regulating endocytosis have been reported to undergo nucleocytoplasmic shuttling and participate in transcriptional regulation, but the underlying mechanisms remain largely unknown. To address this question more systematically, the Miaczynska group has already established RNAi-based screens of endocytic proteins for their involvement in AP-1, NF- κ B or TCF/LEF-dependent transcription. This project will focus on the possible roles of endocytic proteins in STAT-mediated transcription. Its objectives are: 1.) to screen for the involvement of candidate proteins in interferon-stimulated, STAT-dependent transcription using established RNAi methodology and luciferase-based readout assays (together with C. Lamaze/Curie), and 2.) to study the molecular mechanisms of action of selected endocytic proteins in a set of functional assays (together with K. Erdmann/RUB). The techniques to be used: cell culture, RNAi

techniques (including generation of endonuclease-prepared siRNAs; esiRNA), luciferase-based esi/siRNAs screens, cell biology and biochemistry techniques, RT-PCR, signalling assays, quantitative confocal microscopy.

Job

Requirements: Experimental background in cell biology or biochemistry.

Host Institute: International Institute of Molecular and Cell Biology (IIMCB)
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Poland

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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
- 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: February 15th

For further information:

Please contact the supervisor of this project or directly the TRANSPOL coordinating office: transpol@rub.de