



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: Glycosphingolipid synthesis for intracellular trafficking analysis

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

Reference Code: TRANSPOL-Johannes

Eligibility: To this position applies a mobility rule. The respective candidate must not have worked for more than 12 months in France 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: Autumn 2011

Duration: 36 months

Salary: According to the Marie Curie-ITN rules: around 36.000 Euro/year plus monthly mobility allowance of 500 Euro/month

Short description: We are looking for a student to start his/her PhD work in the Chemistry Department of the Curie Institute on a fellowship that is fully financed by the European Union. The work is part of an ongoing collaboration project between the Cell Biology and Chemistry Departments. The goal is to perform structure-function and imaging studies on the glycosphingolipid globotriaosylceramide (Gb3), the cellular receptor of the bacterial Shiga toxin. The candidate would synthesize fluorescent versions of Gb3, different acyl chain species, and isotope labeled lipids for secondary ion mass spectroscopy (SIMS).

Requirements: Expertise in organic chemistry. The candidate would ideally have expertise in glycosphingolipid or carbohydrate chemistry and NMR structural determination.

Host Institute: Institute Curie
26 rue d'Ulm
75248 Paris Cedex 05
France

Supervisors: Drs Ludger Johannes and Jean-Claude Florent
e-mail: johannes@curie.fr, jean-claude.florent@curie.fr
Tel: +33 1-56246351 (LJ), +33 1-56246658 (JCF)
Fax: +33 1-56246507

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:** July 31st, 2011

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