



## **Application to a Marie Curie Contract funded by the “Diagnostic and Drug Discovery Initiative for Alzheimer’s Disease”**

**(FP7-PEOPLE-2013-IAPP, GA 612347)**

It is Open the application to an Experienced post-doctoral Researcher, as a full time invited assistant researcher, to carry out research within the domain of drug discovery for neurodegenerative diseases, in particular for Alzheimer’s disease, funded by the project entitled “Diagnostic and Drug Discovery Initiative for Alzheimer’s Disease”, approved by the Seventh Framework Programme of the European Union and supporting training and career development of researchers (Marie Curie) and Industry-Academia Partnerships and Pathways (IAPP) designated as FP7-PEOPLE-2013-IAPP, Grant agreement 612347, from now on abbreviated as D3i4AD. The appointed ER will support the scientific program proposed for the project working closely with the Principal Investigator of the Faculty of Sciences - University of Lisbon project partner, and work package 3 leader. This work package aims at the design, synthesis and test of novel chemical entities. The research will be conducted as part of the Rauter’s Research Group at the Carbohydrate Chemistry Group (<http://cqb.fc.ul.pt/research/carbohydrate-chemistry/>), Center of Chemistry and Biochemistry, Faculty of Sciences, University of Lisbon.

### **1. Duration of the Grant**

Duration of the grant is of six months, eventually renewable until the fixed term of 24 months. Salary rates and additional mobility, career and travel allowances are as per the Marie Curie programme. Starting date is May 2016 or as soon as possible thereafter.

### **2. Host Institution:**

Faculdade de Ciências, Universidade de Lisboa.

### **3. Scientific Area of Research**

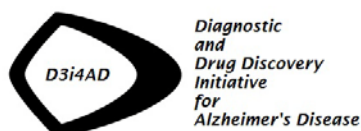
Organic Chemistry, Synthesis, Glycochemistry.

### **4. Research Activities**

Bridging carbohydrates and polyphenols, the research will focus on the synthesis of novel molecular entities containing carbohydrate and carbohydrate mimetics e.g. containing endocyclic oxygen replaced by sulfur, amine or methylene groups, O-and/or C-linked to biologically active polyphenols that are known to act in the amyloid cascade and/or in cholinergic pathways in the brain. These activities are enclosed in the work package 3 of D3i4AD.

### **5. Legislation applied**

EU recruitment legislation is applied as required for the Marie Curie IAPP action approved.



## 6. Scientific Supervision

Prof Amelia Pilar Rauter, head of the Carbohydrate Chemistry Group at CQB-FCUL, D3i4AD Work package 3 leader.

## 7. Requirements for admission

The applicant must not have resided in Portugal, where the research training activities take place, for more than 12 months in the 3 years immediately prior to the recruitment date and not have carried out their main activity in this country.

Applicants should provide evidence that they also meet the following criteria:

### **A. Qualification and experience**

1. The post is only for Experienced Researcher <10 years (this includes their Ph.D. and any other related research post first degree). Researchers with >10 years experience are not eligible;
2. Have a Ph.D. in Organic Chemistry/Glycochemistry or a Ph.D. with specialization in Organic Chemistry/Glycochemistry;
3. Have experience in organic synthesis of sugars or sugar mimetics, namely thio sugars, carba sugars, imino sugars;
4. Have experience in O- and/or C-glycosylation reactions;
5. Have relevant papers in journals in areas covering items 3. and 4.

### **B. Management and problem-solving skills**

1. Experience of designing and managing research, including identifying objectives and identifying/developing methodologies for achieving them;
2. Ability to work effectively both as an individual and as a member of a team in a collaborative environment;
3. Ability to develop creative approaches to problem-solving cases of study;
4. Ability to plan and progress work activities;
5. Ability of adapting own skills to new circumstances.

### **C. Communication skills**

Be able to communicate in English by speaking and writing as the applicant will be engaged in writing reports, publications, giving oral communications and delivering poster presentations in national and international meetings and events.

## 8. Application documentation

Motivation letter, Curriculum vitae, certificates for academic qualification (graduation and Ph.D.), other documents that certify the candidate experience in the field (e.g. publications, conference proceedings, abstracts).

## 9. Payment



- Payment follows regulations of recruitment under EU Marie Curie for ER researchers;
- Recruited experienced researcher (4-10 years) is paid an ANNUAL living wage of € 49.725,00 (EUROS) gross;
- The researcher is also entitled to an additional MONTHLY mobility wage of either € 595,00 (EUROS) gross if he/she has NO family / dependants **OR** € 850,00 (EUROS) gross if he/she has family / dependants;
- The annual rate and mobility wages are subject to Portuguese taxes/ employment insurance / pension deductions, etc.

#### 10. Application dates

Applications should be received during 15 working days, from 23<sup>rd</sup> march to 13<sup>th</sup> april 2016.

#### 11. Jury for Candidate Selection

Prof. Dr. Amélia Pilar Rauter (Associate Professor with Habilitation, FCUL) as the President of the Jury, Prof. Dr. Maria José Calhorda (Full Professor, FCUL) and Dr. Nuno Xavier (CQB Researcher). As replacement, Prof. Dr. Eduarda Araújo (Assistant Professor, FCUL) and Prof. Dr. Carlos Borges (Assistant Professor, FCUL) are named.

#### 12. Methods for selection

Evaluation of the Curriculum vitae and documentation received, under the following criteria:

1. Classification of Graduation, Master and Ph.D. degrees (0-4)
2. Experience in organic synthesis/glycochemistry (0-5)
3. Publications in International journals with impact factor (0-10)
4. Oral communications in international meetings (0-7)
5. Poster presentations (0-5)
6. Academic/scientific awards (0-5)
7. Participation in Organizing Committees of Meetings in the scientific area (0-2)

The applicant with a higher score will be selected after an interview, if recommended by the Jury. In case of equal scores, an interview will be required.

#### 13. Application presentation and application reception

Applicants should send their application with the required documentation to the following emails: [candidaturas@ciencias.ulisboa.pt](mailto:candidaturas@ciencias.ulisboa.pt).

#### 14. Results notification

The results for candidate selection will be publicized at the project website with notification of the final score and applicants notified by their email.

