

Object

Job opportunity

Report to

Dr Antoine Maruani

Contract type

Full-Time, Fixed one-year Term with a possibility of an extension

Location

Chemistry and Biochemistry laboratory
45, rue des Saints-Pères
75270 Paris cedex 06, France

Post-doctoral research associate position in Organic Chemistry/Chemical Biology

Project

Functionalisation of nano and microparticles for transport across the blood–brain barrier.

The Research Associate will work in the Department of Chemistry at *Université de Paris* (UMR 8601) on a research project supervised by Dr Antoine Maruani. The overall project goal is to generate functionalised nano/microparticles to transport payloads across the blood–brain barrier. The successful applicant will join a highly motivated group working at the interface of chemistry, chemical biology and physical chemistry, with the prospect of having a major contribution to the development of novel brain-related therapies.

Key Responsibilities

- To carry out the research project into the development of novel molecular transporters. To record, analyse and write up the results from this project.
- To liaise with the other research staff and students working in broad areas of relevance to the research project and partner institutions.
- The appointee will assist in the organisation of various laboratory facilities.
- To prepare progress reports on research for funding bodies as required.
- To contribute to the preparation and drafting of research bids and proposals.
- To contribute to the induction and direction of other research staff and students as requested.
- To take initiatives in the planning of research.
- To develop any required skills and knowledge.
- Responsible for ensuring that equipment is safe and maintained in working order.
- To contribute to the drafting and submitting of papers to peer reviewed journals.
- To interact and collaborate with other academic and industrial partners.
- The job description reflects the present requirements of the post, and as duties and responsibilities change/develop, the job description will be reviewed and be subject to amendment in consultation with the post-holder.
- The post-holder will carry out any other duties as are within the scope, spirit and purpose of the job as requested by the line manager.
- The post-holder will maintain an awareness and observation of Fire and Health & Safety Regulations.



Person Specification for the Post of Research Associate

Education

Essential: PhD in Chemistry or Chemical Biology.

Knowledge

Essential: Knowledge of research techniques required for organic synthesis.

Desirable: Knowledge of using “click” chemistry.
Knowledge of research techniques required for nanoparticles preparation.

Experience

Essential: Experience in wide range of synthetic skills (e.g. experimental design, purification etc.).
A proven publications record.

Desirable: Experience in nanoparticles functionalisation

Skills

Essential: Proven research skills.
Effective written and verbal communication skills.
Ability to analyse and write up data.
Ability to work in a multidisciplinary environment.
Excellent written and oral communication skills.
Demonstrable ability for innovation and original research.
Demonstrated ability to conduct a detailed review of recent literature.
Demonstrated ability to develop and apply new concepts.
A creative approach to problem-solving.
Experience of project management.

Desirable: Ability to present complex information effectively to a range of audiences.
Experience of teaching.
Excellent organisational skills.

Personal Qualities

Essential: Ability to work collaboratively as part of a team.
Commitment to high quality research.

Appointment

The position is initially for 1 year but may be extended.

Starting date

There is no strict deadline, but priority will be given to applications by 31st March 2021.
Starting date is also flexible.

Remuneration

Depends on experience.

Application

To apply, please send your CV, cover letter stating your research interests and the names/contact information of 2 referees to antoine.maruani@parisdescartes.fr