

PhD position at the Blood-brain barrier laboratory of Artois University , UR2465 Lens, France

We are looking for a highly motivated student with a major in cell biology who has a strong interest in multi-disciplinary research. The PhD position is available at the Blood-brain barrier laboratory UR2465 (LBHE: Laboratoire de la barrière hémato-encéphalique) located in Artois University, in Lens, France.

The research project

The research project, under the supervision of Dr. Caroline Mysiorek, aims at studying the chemoresistance of the DIPG, a diffuse pediatric brain cancer by using a human *in vitro* blood-brain tumor barrier model developed in the lab (Deligne et al. 2020).

Aim

The recruited PhD student will be embedded in the LBHE lab which has a recognized expertise in the modelling of the BBB, from animal (bovine, rat and mouse) and human cells, and evaluation/regulation of BBB properties under physiological and pathological conditions (acute or chronic drug exposure, Alzheimer disease, Stroke, Cancer).

The objective of the PhD student at LBHE is to study the drug resistance of a pediatric brain cancer using a disease *in vitro* human BBTB model.

Your profile

- Master degree in cell biology with experience in cell culture and molecular biology.
- Ability and motivation to work independently as well as collaboratively in an interdisciplinary team.
- Exceptional communicative and intercultural skills.
- English writing and presenting skills.

The main responsibilities of the candidate will be:

- To manage and carry out an independent, cell biology based, research project.
- To contribute to writing articles for scientific journals.
- To disseminate research results in the scientific community (*via* international conferences) and in the non-scientific community (*via* outreach and public engagement).

Conditions

The candidate applies to take part of the competition to Artois university PhD research program for a 3 year PhD scholarship. The selected candidate will have to apply to the doctoral school selection process requiring the submission of a written scientific proposal and also an oral evaluation of the candidate. Attribution of the PhD scholarship will be given according to the ranking of the candidate in the selection process.

The project includes a collaborative work with the Oscar Lambret research center in Lille and also the participation to React4kids scientific network.

How to Apply

**Only complete applications will be considered.
Submission deadline is April 8th, 2022.**

Please submit a complete application as a single PDF FILE (<10MB) named "surname_name_.pdf" and containing the required following documents:

- A meaningful letter of motivation allowing understanding the motivation for the application and the choice of the research project
- A complete and detailed CV.
- Copies of the university Master Certificates for the respective University degrees or alternatively a certified copy confirming the enrolment and the date of finalization of the master program of the candidate.
- Names and full contact details of two referees.

You can send these documents in pdf format to Caroline Mysiorek : caroline.mysiorek@univ-artois.fr mentioning **"PhD DIPG" in the subject**. For inquiries you can send a message to this same address. The deadline for application is April 8th, 2022. Interviews by zoom will take place from the 11th to 15th April. The starting date of this position is October 2022.