



## POSTDOCTORAL FELLOWSHIP



### OPEN POSITION

## DESCRIPTION

### Project AIM +: Anticancer Iron Made+

AIM+ is a multidisciplinary project at the interface between chemistry and biology. The aim is to develop a novel type of DNA hypomethylating agents able to bind DNA and to chemically induce its direct demethylation. Based on preliminary results showing a decrease in the 5-methylcytosine level as well as a strong reduction of cell proliferation, our project aims to achieve the comprehension, at the molecular level, of its action mode. Our final goal is to develop an entire novel class of epigenetic drugs and harness their ability to control cell proliferation for therapeutic purposes. For this, AIM+ project will enhance, via proper chemical modifications, the demethylating activity and the selectivity of the proposed system. AIM+ is based on a multidisciplinary consortium gathering synthesis, molecular modelling and biology. The aim of the postdoctoral fellowship is to synthesise and characterize a range of new hypomethylating agents based on the preliminary results obtained by the consortium.

### Applicant profile :

- The candidate should be a talented PhD organic & organometallic chemist with ability to work at the chemistry/biology interface.
- The candidate must be open-minded and willing to work in a multidisciplinary environment.

**Contact :** Dr Philippe C. Gros (L2CM, UMR 7053) : [philippe.gros@univ-lorraine.fr](mailto:philippe.gros@univ-lorraine.fr)

## TERMS AND TENURE

This one-year position will be based at the *Laboratoire Lorrain de Chimie Moléculaire L2CM UMR7053 (Boulevard des Aiguillettes, 54506 VANDOEUVRE-LES-NANCY, France)*

The target start date for the position is **October/November 2019**, with some flexibility on the exact starting date.

## HOW TO APPLY

Deadline for application is September 1<sup>st</sup>, **2019**.

All document must be sent to [philippe.gros@univ-lorraine.fr](mailto:philippe.gros@univ-lorraine.fr)

## REQUIREMENTS

- A cover letter applying for the position
- Full CV including academic records and list of publications
- A research statement and two recommendation letters

## JOB LOCATION

Nancy, Lorraine, France