PhD position available

Synthesis and biological evaluation of novel fluorinated heterocycles

Fluorinated compounds are extremely important in *Life Science* oriented research. It is estimated that approximately 40% of all agrochemical ingredients and 20% of all pharmaceuticals on the current market are organic molecules containing at least one fluorine atom. Therefore, the preparation of novel fluorinated molecules with unprecedented chemical, physico-chemical and/or biological properties is of prime interest.

The objective of the PhD thesis is the synthesis of novel fluorinated heterocycles. This implies the development of novel techniques to introduce fluorinated substituents.

During the PhD thesis, the candidate will tackle multi-step organic synthesis, novel catalytic fluorination techniques and the use of up-to-date reagents of organo-fluorine chemistry. The physicochemical and biological properties of the compounds will be studied in parallel.

The work will be carried out in close partnership with an European chemical company.

Desired profile: The candidate should have gained a strong formation in organic chemistry. She/he must be self-motivated, hard-working and have good communication abilities. Missions in other laboratories (in France or abroad) are possible, and the candidate should be mobile.

Foreign Language: English

Duration: 36 months.

Salary: 1693 €/month net salary.

Start: April 2014

Applications should be sent by email (CV + letter of motivation):

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