



POSTDOCTORAL POSITION IN ORGANIC CHEMISTRY:

SYNTHESIS OF TWO-PHOTON ABSORBING PHOTOSWITCHES

Job type: CDD

Period: 12 months

Start date: as soon as possible

Salary: From 28 to 35 k€ per years

- **Information related to the host laboratory:**

Laboratory:

Laboratoire Lorrain de Chimie Moléculaire (L2CM, UMR 7053), <http://www.l2cm.univ-lorraine.fr/l2cm/>, Boulevard des Aiguillettes B.P. 70239 - 54506 Vandoeuvre les Nancy Cedex France
The objective of L2CM is to explore and develop synthetic methods for innovative molecules and molecular materials for applications in various domains towards chemistry (drug design, catalysis), physics (energy, materials) and biology (drug delivery, imaging, therapy). Those research activities are conducted within HeMaf and MoSyBio teams and are supported by numerous technics of synthesis and characterization integrated into internal platforms (SynBion, Photons, MassLor) and partnership.

- **Research topic of the postdoc:**

Keywords:

organic chemistry, photoswitches.

Job description:

We offer a one-year postdoc position to work on organic synthesis of photoswitches triggering applications in photo-immunotherapy/phototherapy/imagergy.

You will be responsible and/or participate to the following tasks:

- synthesis of photoswitching moieties, according to procedures already reported by L2CM (doi.org/10.1021/acs.joc.1c00598)
- synthesis of corresponding photolipids
- formulation into liposomes and physico-chemical characterization
- participation in the supervision of PhDs, engineers, and trainees - restoring the results, communication at international conferences, participation in writing of manuscripts.

- **Candidate profile and application form:**

Applicants should hold a PhD in organic chemistry. Additional experience in photochemistry would be appreciated. Creativity, autonomy and strong reliability are highly required, together with strong interest in multidisciplinary approach. Applicants should be able to communicate fluently in English. Applications should be sent to Andreea Pasc (andreea.pasc@univ-lorraine.fr) and Maxime Mourer (maxime.mourer@univ-lorraine.fr). It should include a detailed resume and a cover letter highlighting how they meet the criteria.