



**Postdoctoral position available**

**Synthesis of organic photochromes for novel and environmentally friendly photodetectors**

*Bordeaux University (France)*

A two-year postdoctoral fellowship is available for a motivated young researcher interested in applying their knowledge of organic synthesis to the design and preparation of photoresponsive molecules. These will be incorporated into novel photodetector devices which, unlike current generation electronic components, will be biodegradable and/or easily recyclable. Current projections of electronic wastes surpass 70 million tons per year in the near future and a paradigm change is necessary before damage to the environment is irreversible. She or he will be in charge of the design, synthesis, and purification of various classes of compounds that can undergo a reversible change in polarizability upon exposure to light. The work will be carried out in collaboration with a computational chemistry team to provide fundamental understanding of the electronic properties and a physics team that will incorporate the molecules into working devices. He or she will thus be able to greatly enhance their field of expertise and acquire new knowledge and experience. In addition to advanced synthesis and purification techniques, the host laboratory also has access to all the necessary instrumentation for photophysical and photochemical characterization and has a strong track record of innovative research in the area of organic photochemistry and its application towards molecular electronics.

The position is located in the Institute for Molecular Science at the University of Bordeaux (CNRS UMR5255) and can begin starting from March 1. Applications will be considered until the position is filled.

Candidates can apply by sending their CV and a cover letter highlighting their experience in organic synthesis and motivation for undertaking the project. Contact information for one or two reference persons should also be provided. Applications should be sent to:

Prof. Jean-Luc Pozzo: [jean-luc.pozzo@u-bordeaux.fr](mailto:jean-luc.pozzo@u-bordeaux.fr)

Dr. Dario Bassani: [dario.bassani@u-bordeaux.fr](mailto:dario.bassani@u-bordeaux.fr)