A position is available for one-year postdoctoral fellowship (with possible extension to 30 months) in the area of molecular electronics for the study of supramolecular self-assembled OLED devices within the framework of an international France-Taiwan project co-funded by the ANR and MOST. The candidate will possess skills in the area of device fabrication and device physics using organic materials and should possess good communication skills and motivation for innovative science as there will be ample room for the candidate to express their ideas. The materials to be studied have been formulated to undergo spontaneous self-assembly during the deposition process to produce small, hollow spheres whose color and properties can be tailored at will (see ACS Nano 2016, 10, 998 and ACS Appl. Mater. Interfaces 2017, 9). The research will be conducted in collaboration between the IMS electrical engineering lab and the ISM materials laboratories in France, and the laboratory of Prof. Ken-Tsung Wong at National Taiwan University. The IMS laboratory (Dr. Lionel Hirsch) is equipped with state-of-the-art fabrication facilities (http://oembordeaux.cnrs.fr), including access to a 900 m2 clean-room facility for large-scale printable electronics. The ISM laboratory (Dr. Dario Bassani) is specialized in the field of supramolecular photochemistry and possesses all the necessary equipment for characterizing self-assembly and its effects on photophysical processes, including a time- and space- resolved AFM-coupled confocal microscope. Salary is approx. 2600 € (gross), appointment will be starting from November 2018.

Candidate’s Profile:
For this study, a physicist or material scientist is expected. Strong knowledge in organic device fabrication and characterization is mandatory. Good experimental skills are also required.

Starting date:
Postdoctoral position is opened for November 2018.

Fellowship:
2 600 €/month (gross salary)

Application:
Applications have to be sent by mail at:
- Dr. Lionel HIRSCH (Research Director at CNRS): lionel.hirsch@ims-bordeaux.fr
- Dr. Dario BASSANI (Research Director at CNRS): dario.bassani@u-bordeaux.fr

The application must include a complete CV, a motivation letter, thesis manuscript, references and 2 recommendation letters.