



Marseille le lundi 26 septembre 2016

## Postdoctoral Research Position for 12 or 24 months Requiring Organic Synthetic Skills and State-of-the-Art Scanning Probe Microscopy for Creating Surface-Supported 1D and 2D Covalent Self-assemblies

The Project PHOTONET was selected by the *Agence Nationale de la Recherche (ANR)* for financing during 2016 – 2020. This project is headed in Marseille by Dr. Sylvain Clair from the *Institut Matériaux Microélectronique Nanosciences de Provence* in collaboration with a team from the *Institut des Sciences Moléculaires de Marseille* formed by Professor Teodor Silviu Balaban (*Chirosciences*) and Drs. Jean-Luc Parrain and Olivier Chuzel (*Stéréo*).

On the international side, this project is also partnered with the RIKEN Institute near Tokyo, Japan (Dr. Yousoo Kim), where a one-month visiting stay will be planned.

PHOTONET is an interdisciplinary project that requires a skilled synthetic chemist for preparing in high purity and sufficient quantity a number of functional building blocks. Upon self-assembly on tailored surfaces, these building blocks will furnish 1D- and 2D-covalent arrays with potential applications in various fields of Nanotechnology. While the synthetic work will be performed at *iSm2*, the scanning probe microscopy imaging will be performed at *im2np*, both Institutes being located on the same Campus Scientifique de l'Etoile in Marseille.

If you have a dual experience both in advanced organic synthesis and in various microscopic techniques we encourage you to apply via E-mail at [sylvain.clair@univ-amu.fr](mailto:sylvain.clair@univ-amu.fr) and [ts.balaban@univ-amu.fr](mailto:ts.balaban@univ-amu.fr). You should include in your application, a strong letter of motivation, your CV with publication list, and the names, E-mail addresses and telephone numbers of three persons who have supervised your previous research career.

The initial contract will be for 12 months with a gross salary of approximately 2400 €/month. Upon evaluation of the results and successful publication in high impact journals, a second year of fellowship can be provided, upon mutual agreement.

At *Chirosciences*, we function in newly refurbished laboratories with state-of-the-art synthetic and chiral HPLC facilities.

Previous fruitful collaborations between the members of our Consortium have led to publications in the past which the interested candidate is encouraged to consult on-line.

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[http://ism2.univ-amu.fr/equipes/Chirosciences\\_1.htm](http://ism2.univ-amu.fr/equipes/Chirosciences_1.htm)

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<http://www.im2np.fr/recherche/nano/Labthemat.html>  
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