

## **Post-Doctoral position in Polymer Chemistry**

### **Eco-friendly and Bio-based polymers**

There is an increasing demand for eco-friendly and bio-based polymers to substitute traditional fossil fuel-based materials for sustainable development. Yet, although great efforts are made to find new bio-based alternatives, current commercially available options still do not fully meet with today's needs due to their partial bio-based content, toxicity, still limited availability, insufficient thermomechanical performances or need for optimization of the industrial process.

This project received the financial support of University of Côte d'Azur to develop new bio-based polymers from vegetable biomass and to work on the optimization of thermophysical properties of new polymers under industrialization.

The work will be realized at the Institute of Chemistry of Nice (UMR CNRS 7272), in the team Eco-Friendly Materials and Polymers.

The candidate must have strong skills in organic and polymer chemistry, analytical chemistry, skills on structural characterization (NMR, mass spectrometry), mechanical and thermal properties of polymers. The candidate must have excellent track records with several scientific papers/patents in the field of polymers. He/She should be fluent in English (written and oral) and should have excellent communication and project management skills. He/She should be attracted by academic research and by industrial applications. He/She must be familiar in working under strict confidentiality procedure.

The salary will be dependent of the scientific experience.

Duration of the project : 12 months, starting in september 2019.

Application: please provide a CV with list of publications/patents and the name/contact details of two reference persons.

To apply (detailed CV + cover letter) please contact:

Prof. Nicolas SBIRRAZZUOLI & Dr Nathanaël GUIGO

[Nicolas.SBIRRAZZUOLI@unice.fr](mailto:Nicolas.SBIRRAZZUOLI@unice.fr), [Nathanael.GUIGO@unice.fr](mailto:Nathanael.GUIGO@unice.fr)