

Rennes, February 20, 2019

18-Month Postdoc Offer

DEMETA, a young, fast-growing innovative company based in Rennes, is developing next-generation catalysts for green chemistry. With its first technological platform, DEMETA develops a high-performance material for industrial applications, particularly in the field of the Oil & Gas or in composite materials.

DEMETA exploits a technology coming from the Rennes ENSC. This reaction is known as Olefin Metathesis and provides a high-performance material, the NexTene™ resins, which are currently in industrialization and pre-commercialization phase. DEMETA and Rennes 1 University are looking for a postdoctoral fellow to identify and develop new comonomers and catalytic systems to bring new functionalities to the material.

The postdoctoral contract will last 18 months and the selected candidate will be an employee of the University of Rennes 1, in the laboratory of Prof. Jean-François Carpentier, but will work 80% of his time in DEMETA laboratories.

The candidate will be under the co-responsibility of Dr. Sophie Guillaume and Dr. Evgueni Kirillov, at Rennes 1 University, and will work in close collaboration with Dr. Pierre Queval, R & D Engineer at DEMETA, and Dr. Frédéric Caijo, Scientific Director at DEMETA. Its mission will consist in:

1. An In-depth bibliographic study;
2. Identification and synthesis of new comonomers or catalytic systems;
3. Polymerization;
4. Characterization and application evaluations of the polymers obtained;
5. Recommendations on the most promising routes.

The postdoctoral fellow will have to use all his scientific knowledge (bibliography, organic synthesis, catalysis, chemistry of materials, structure-property relationship, mechanical and thermal properties, industrial property, etc.) and be practical.

The candidate should be enthusiastic, motivated, curious, independent and responsive, able to work in a team. A significant experience in molecular synthesis is necessary. This Post-Doc should normally lead to a CDI contract within DEMETA.

Please send your applications (CV and cover letter) to Frédéric Caijo, Scientific Director (frederic.caijo@demeta-solutions.com) and Dr. Evgueni Kirillov, Associate Professor at University Rennes 1 (evgueni.kirillov@univ-rennes1.fr).