



“Ready to ask **more**
from chemistry
with us?”



We have vacancy for the following position to join our team:

Research Scientist Computational Chemistry

(Reference No. 20160505C)

GBU/Function: R&I

Direct Hierarchy (Position) : Team Leader E2P2 – UMI – Chemistry

Job family: R&I

Job Location: Shanghai

Country : China

No. of Needs: 1

Validate From : July 18, 2016

Contact: raphael.wischert@solvay.com

Vacancy description

For our Research & Innovation center in Shanghai, we are looking for a *Research Scientist Computational Chemistry* to investigate and predict chemical reactivity, in particular in homogeneous and heterogeneous catalysis. He / She will work in a multidisciplinary and multicultural team dedicated to the development of eco-efficient products and processes. This position also includes collaborations with external research institutions.

Key missions

- Work in the Research and Innovation Center Shanghai for Solvay/CNRS Joint Lab – Eco-Efficient Products and Processes Laboratory, UMI 3464.
- Plan, perform, analyze and document quantum calculations for the study of chemical reactivity and catalysis, in collaboration with internal and external partners.
- Build project files with the most up to date literature and ensure the updates of such files during the lifetime of the projects.
- Supervise the work of interns and coordinate collaborations with external research institutions.
- Identify and promote added value of modeling in projects and propose corresponding approaches, using his / her quantum and physical chemistry skills.

Profile

- Doctorate or postdoctorate in computational chemistry, physics or materials science.
- Strong experience in applying quantum-chemical (DFT or wavefunction-based) methods to the study of chemical reactivity
- Experience with one or more additional techniques, such as (ab initio) molecular dynamics, kinetic modeling, solvent effects, reactive force-fields, descriptor approaches, QM/MM.
- Good ability to work in a team and communicate with internal and external stakeholders
- Fluent English both in oral and writing.
- Chinese language skills are required for this position.