



**Aquitaine –Karnataka collaboration  
Scientific Project for Pre-PhD student exchange**

**Scientific Proposal**

Project Title	<b>New Strategies to Access Silyl Radicals. Applications in Organic Synthesis</b>	
Scientific domain	Organic Chemistry	
Summary (ca. 10 lines)	The aim of this project is the development of new methods to generate silyl radicals from silanes under mild and sustainable conditions. These silyl radicals will then be added to unsaturated systems in multicomponent processes. These strategies should allow the functionalization of silanes and further to polysilanes in a selective manner.	
Student profile wished	Students having an interest in organic and organometallic chemistry as well as free-radical processes.	
Supervisor Name	Prof. Yannick LANDAIS	
Supervisor @ & phone	<a href="mailto:y.landais@ism.u-bordeaux.fr">y.landais@ism.u-bordeaux.fr</a>	Tel: (+33) 5 40 00 22 89
Institute/laboratory/industry (full address)	Institute of Molecular Sciences (ISM)	
Director Name Institute/laboratory/industry	Prof. Philippe GARRIGUES	
Director Institute/laboratory/industry @ & phone	<a href="mailto:p.garrigues@ism.u-bordeaux.fr">p.garrigues@ism.u-bordeaux.fr</a>	Tel: (+33) 5 40 00 62 83
Timing & duration for project (give approximate ranges)	4-6 months	
Representative References	G. Rouquet, F. Robert, R. Méreau, F. Castet, Y. Landais <i>Chem. Eur. J.</i> <b>2011</b> , <i>17</i> , 13904-13911. G. Rouquet, F. Robert, R. Méreau, F. Castet, P. Renaud, Y. Landais <i>Chem. Eur. J.</i> <b>2012</b> , <i>18</i> , 940-950.	

Contact Aquitaine: Erick Dufourc @: e.dufourc@cbmn.u-bordeaux.fr tél: +33 5 4000 6818	Contact Karnataka: Dipankar das Sarma @: sarma@sscu.iisc.ernet.in tél: +91 80 2293 2945
<a href="http://www.cbmn.u-bordeaux.fr/aquitaine-karnataka-exchange?lang=2">http://www.cbmn.u-bordeaux.fr/aquitaine-karnataka-exchange?lang=2</a>	