



INTERNSHIP PROGRAM FOR INTERNATIONAL STUDENTS

INTERNSHIP SUBJECT FORM

Name of the Host Laboratory	LSO (Laboratory of Organic Synthesis)
Website of the Host Laboratory	http://lso.polytechnique.fr/
Research Group	Catalysis and Natural Products
Internship Supervisor	Sébastien Prévost
Internship Subject	Naphthalene functionalization <i>via</i> C-H activation: application in natural product synthesis
Student's level	<input checked="" type="checkbox"/> Advanced Undergraduate Students (3 rd or 4 th year) <input checked="" type="checkbox"/> Master's students (1 st or 2 nd year) <input checked="" type="checkbox"/> PhD students
Proposed Duration	<input checked="" type="checkbox"/> 3 months <input checked="" type="checkbox"/> 4 months <input checked="" type="checkbox"/> 5 months <input checked="" type="checkbox"/> 6 months
Prerequisites	Organic synthesis, organometallic catalysis, NMR
Internship description (max. 15 lines)	<p>Naphthalene is a very important moiety in chemistry as proven by its presence in many more or less complex natural products and bioactive compounds. For these reasons, the synthesis of functionalized naphthalenes is of great importance in the scientific community. The objective of the project will be to develop new reactions of C8-functionalization of 1-carbonylnaphthalene derivatives <i>via</i> a C–H activation strategy and to apply the methodologies for fast and green syntheses of natural products.</p>

The boxes marked with cross implies eligible