

Lab skills – Molecular Chemistry



En bref

- **Langue(s) d'enseignement:** English
- **Forme d'enseignement :** Travaux pratiques
- **Ouvert aux étudiants en échange:** Non

Présentation

DESCRIPTION

Lab skills is a series of practicals scheduled for the same week, to give you an idea of what it's like to spend a week in a research lab. The aim of this course is to brush up on the basics and learn more advanced techniques (set up of reactions under argon, the use of a vacuum ramp, management of syringe injections) so as to be ready for the internship. The program includes the multi-step synthesis of a ligand L and it's use in a palladium-catalyzed cross coupling. To do so, the schedule is as follows:

- * Monday (all day): Synthesis of the first intermediate
- * Tuesday (morning): Synthesis of the second intermediate and launch the preparation of L (writing in the afternoon)
- * Wednesday (all day): purification of L and launch the cross-coupling
- * Thursday (morning): NMR analysis of reaction mixture and pooling of results (writing in the afternoon)

* Friday: final analyses, writing and sending reports

HEURES D'ENSEIGNEMENT

Nouvelles heures d'enseignement	Travaux Pratiques	24h
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PRÉ-REQUIS NÉCESSAIRES

Standard lab skills in organic synthesis

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CONTACTS

Responsable pédagogique

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