### 5CI351 Current Challenges at the Chemistry & Life Sciences Interface

**Keywords:** General background at the Chemistry & Life Sciences Interface

<table>
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<th>Cours (h)</th>
<th>TD (h)</th>
<th>TP (h)</th>
<th>Tutorat (h)</th>
<th>Ecrit (%)</th>
<th>CC (%)</th>
<th>TP (%)</th>
<th>Oral (%)</th>
<th>Eval. répartie</th>
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**Responsable**
Domingo Gomez-Pardo, ESPCI

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**Descriptif de l’UE**

This compulsory module consists in a series of conferences presenting current challenges at the Chemistry/Biology interfaces

- Protein & metabolic Engineering
- Biological Imaging
- Machine learning for chemical and biological research
- Multi-scale modeling of biological systems
- Synthetic & System Biology

**Objectifs d’apprentissage**

Students (by groups) will write a bibliographic review on one of the presented topics. Students will acquire a general knowledge of how chemistry and biology can be combined to solve problems at the chemistry and biology interface.

**Prérequis**

none

**Langue**

<table>
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<tr>
<th>English</th>
<th>Cours, TD, TP</th>
<th>Documents</th>
<th>Bibliographie</th>
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<tbody>
<tr>
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