



Carrer de la Llum 2-26
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www.cells.es

Título puesto: Industrial Applications of Synchrotron techniques

Curso: 2026/27

División: Industrial Liaison Office

Descripción del proyecto:

- One of the main goals of ALBA is to provide services to the industrial community, offering the state-of-the-art techniques from ALBA to private companies but also promoting the technology transfer of new developments carried out at ALBA. For this, ALBA has set-up an Industrial Office that is in charge of the relationships between ALBA and private companies. Some of the jobs carried out at the industrial office are the following: managing and follow up of the industrial measurements at ALBA (from meetings previous to the measurements, contracts, paperwork, to final invoices after the experiment), outreach activities to promote the synchrotron techniques (organization of industrial workshops at ALBA, attendance to external industrial exhibitions), management of the intellectual property generated with ALBA developments (patents) and transfer it to the private industry, etc. During the stay at ALBA the student will be familiarized with the ALBA synchrotron techniques, the industrial activity carried out at ALBA and will be working with the Industrial Scientist of the Industrial Office on the following topics:
 - Understanding the case studies of the industrial measurements
 - Update of the industrial brochure
 - Update of the industrial office website
 - Analysing statistics and preparing reporting
 - Presentation preparation
 - Promotion events preparation
 - Marketing studies, company data bases, surveys
 - Bibliographic research on synchrotron industrial applications (such as IR spectroscopy, Active Ingredients, steels or battery materials).



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Perfil del estudiante:

Physicist, Chemist, Pharmacist or equivalent

- Good interpersonal skills
- Good English
- Interest in synchrotron applications (material science, structural biology, etc.)
- Interest in managerial tasks related with industrial measurements at ALBA and knowledge transfer

Tutor: Marta Ávila

Responsable: Alejandro Sánchez