

Entity: Vall d'Hebron Institut de Recerca (VHIR)

Research group, Unit or Department: Molecular Pathology, Lab 204 Collserola

Student's tutor: Trond Aasen

Positions available: 2

Project description/ Research lines: Gap junctions are direct cell to cell channels critical for tissue function and implicated in a wide range of diseases including cancer, heart disease, neuronal disease, deafness and skin disease. We are interested in the regulation and function of connexins, the structural subunits of gap junctions. In particular we have several ongoing exciting projects that explore how translation of connexin proteins is regulated in cancer cells, and how connexins affect the malignancy of these cells including the resistance to chemotherapeutic drugs. The students will be in charge of their own personal project within this field, and will be given training in a number of important research techniques such as cell culture, transfection, western blotting and immunofluorescence microscopy. The possibility to continue with a PhD will be explored. For more information, please feel free to contact us informally by email or visit Lab 204 in Collserola.

Period for the internship: *Any Semester*

Requirements:

- Highly motivated student interested in exploring the idea of doing a PhD.
 - Hard working, with curiosity and dedication to science, biology and research.
 - Conversational English
 - Social personality with ability to work independently
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Where to apply: Interested candidates please send a *letter of intention*, *CV*, *academic records*, and *any reference letters (if available)* to **trond.aasen@vhir.org**
