

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

Research group, Unit or Department: Research group on neuromuscular and mitochondrial diseases.

Student's tutor: Ramon Martí / Tomàs Pinós / Yolanda Cámara

Positions available: 3

Project description/ Research lines:

- Development of pharmacologic strategies for treating mitochondrial disorders caused by defects of mitochondrial DNA replication.
 - Identification of novel molecular mechanisms regulating mitochondrial DNA replication and dNTP homeostasis
 - Molecular characterization of carbohydrate and lipid metabolism in the muscle of the McArdle disease mouse model.
 - Pharmacologic therapy using read-through compounds to rescue the non-sense p.R50X mutation in primary skeletal muscle cultures derived from the McArdle mouse model.
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Period for the internship: *Any time*

Requirements:

- An interview with the candidate will be required.
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Where to apply: Interested candidates please send (*a letter of intention, CV, academic records...*) to Ramon Martí (ramon.marti@vhir.org)
