UNIVERSITÀ DI SIENA 1240

DMMS
DIPARTIMENTO DI MEDICINA MOLECOLARE E DELLO SVILUPPO

1 PhD student and 2 junior / senior post-doctoral positions to study molecular mechanisms of congenital myopathies at the Department of Molecular and Developmental Medicine, University of Siena, Italy

We are currently seeking highly motivated and talented candidates to join our research team at the University of Siena. Positions are open at the level of PhD student or of junior / senior post-doctoral fellow.

Our group is working on the identification of the molecular mechanisms underlying the development of human myopathies, with particular attention to those caused by mutations in the RYR1 gene.

Preclinical mouse models and a collection of human biopsies are being used to identify gene expression profiles, molecular mechanisms of disease and biomarkers of disease progression.

Overexpression of non-coding RNAs and genes capable to stimulate skeletal muscle growth are being tested in vitro and in vivo as potential strategies to counteract muscle atrophy and to improve skeletal muscle function in congenital myopathies.

Activities in our lab include cellular and molecular biology, molecular genetic techniques, analysis of gene expression (Next generation sequencing and RNAseq), protein-protein interaction, confocal microscopy and image analysis.

This project is part of a large collaborative network involving Research Centers and Universities in Italy and abroad.

Candidates are expected to have a strong research experience in molecular biology. Previous experience in gene expression analysis and in AAV-mediated gene delivery will be preferred.

For information, contact Prof. Vincenzo Sorrentino - vincenzo.sorrentino@unisi.it

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https://docenti.unisi.it/it/sorrentino-0