

**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 and of post-doctoral fellow.

Ongoing research projects in the lab are interested in:

- 1) *Application of RNA-seq techniques, microarrays, and bioinformatics to identify biomarkers and pathogenic molecular pathways activated in mouse models of myopathy and in patients with genetic myopathies.*
- 2) *Application of therapeutic approaches based on miRNA expression in mouse models of myopathy to improve mitochondrial function and muscle fiber metabolism in order to counterbalance muscular atrophy observed in patients with muscular myopathies and dystrophies.*
- 3) *Changes in chromatin structure in a novel mouse model of type 2 diabetes.*

These projects are 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 cellular and molecular biology. Previous experience in gene expression analysis and in AAV-mediated gene delivery will be preferred.

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