

**Post-doctoral fellowship position open in the lab of Prof. Cosima T Baldari,
Department of Life Sciences, University of Siena**

Unravelling the role of AMBRA1 in cytotoxic T cell differentiation

The aim of this project is to investigate the role of AMBRA1, a key regulator of autophagy, in the differentiation of cytotoxic T cells (CTL), in the context of a collaborative research network funded by MIUR and coordinated by Prof. Francesco Cecconi. The study will focus on the role of AMBRA1 in glucose metabolism, lytic granule biogenesis and expression of genes related to CTL trafficking during the differentiation of CD8 T cells to CTLs both *in vitro* and *in vivo* in a genetically engineered mouse model.

The study requires ample and documented knowledge of the cellular and molecular biology of T lymphocytes, especially of the mechanisms that control lytic granule biogenesis and transport as well as chemotaxis. It requires moreover ample expertise in the techniques of molecular and cellular biology and immunology. Finally, it requires strong motivation, ability to work independently, good communication skills and an excellent knowledge of the English language.

Contact: Prof. Cosima T Baldari, email cosima.baldari@unisi.it

Link for application:

https://www.unisi.it/albo_pretorio/bandi/concorsi_interni/conferimento-di-1-assegno-di-ricerca-ssd-bio11-biologia-16

Deadline: February 19, 2021