CALL PER DOTTORATO.

POSIZIONE in collaborazione con Gaslini (con il dr. Petretto):

<u>Description:</u> Our goal is to understand the biological determinants of physio-pathological responses to stress on brain functions and new potential therapeutic approaches with omics approaches both in preclinical models and humans.

The ideal applicant has strong knowledge and experience in omics (best, Mass Spectrometry) bioinformatics, biochemistry or other relevant disciplines.

POSIZIONE con Valter Tucci:

<u>Description</u>: Our goal is to understand the biological determinants of physio-pathological responses to stress on brain functions and new potential therapeutic approaches using mathematical approaches

The ideal applicant has strong knowledge in computer science and experience in any (or more) of these techniques: neuroscience, sleep and circadian rhythms.

Altre due POSIZIONI.

<u>Description:</u> Our goal is to understand the biological determinants of physio-pathological responses to stress on brain functions and new potential therapeutic approaches using cell/molecular biology approaches, electrophysiological/Ca^{2+} imaging recordings and behavioral experiments.

The ideal applicant has strong knowledge in neuroscience and strong experience in any (or more) of these techniques: molecular/cellular biology, biochemistry, confocal *in vitro/in vivo* imaging, *in vitro/in vivo* electrophysiology or/and behavioral tests on rodents.