

## Silvia Ghirga

Civitavecchia, 24/06/1989. Master Degree in Physics at Sapienza University of Rome in January 2016, Title of the thesis: "Optogenetic control and stimulation of neuronal cultures activity", supervisor Prof. Giancarlo Ruocco. In March 2016 she spent three months at University of Science and Technology in Saudi Arabia working on patterned surfaces for adhesion of geometrically defined neuronal network, under supervision of prof. Andre Fratalocchi. From November 2016 until now PhD student in Life Science at Department of Cellular Biotechnology and Hematology, Sapienza University of Rome under supervision of Silvia Di Angelantonio. Her research activity is mainly focused in the field of the Neuroscience. In particular in the study of statistical properties of biological neuronal networks through high resolution Calcium imaging. Her work includes: dissociation of cortical neurons from mice, cell culturing, building of the optical set-up, performing experiments, collecting and analyzing data.

