

Francesca Michela NARCISI

From a young age, I have been fascinated by the intricate workings of the human brain. This curiosity led me to pursue a master's degree in Neurobiology, where I explored the complexities of neurophysiology and cognitive processes. During my experimental thesis, I acquired valuable practical skills in various laboratory techniques. I have developed a range of experimental skills, including both in vitro and ex vivo techniques. In vitro, I am proficient in cell culture methodologies and the extraction of small and large extracellular vesicles (sEVs and m/IEVs) from microglia and astrocytes. In ex vivo work, I have experience in brain sampling, isolation of cell populations using magnetic-activated cell sorting (MACS), and RNA extraction. I am skilled in performing PCR, brain slicing with a cryostat, and various immunofluorescence techniques. Currently, I am a PhD student at Sapienza, University of Rome, working on the development of new monoclonal antibodies to contrast Glioblastoma. This field is particularly challenging due to the difficulty in treating this type of tumor. However, recent advancements in neuropharmacology have opened new avenues for research. My goal is to contribute to these advancements by conducting research that could lead to innovative therapeutic approaches.