

Denis SCAINI – CV

I am a Material Engineer with a Ph.D in Nanotechnology. In 2010, I moved to the neuroscience research field, setting my investigation in a multidisciplinary space embracing neurophysiology, cell biology, nanotechnology, and material science. The central element of my research is exploiting advanced nanotechnology tools to explore uncovered aspects of neuronal cell physiology in both 2D and 3D cellular models. I aim to disclose the key mechanism driving neuronal interaction and functionality to develop new methodologies able to control cell development and functionality.

From 2022, as an Ikerbasque Researcher, I set and currently oversee the neuroregenerative unit of the recently established Joint Research Laboratory (JRL) of the University of the Basque Country (Spain) exploiting advanced biofabrication approaches to develop physiologically relevant artificial (neuronal) tissues.