

M.Sc. Valeria Rodríguez Fajardo, vrodriguez@cosingo.com

Ph.D. Student at COSINGO-Imagine Optic Spain SL and ICFO-The Institut of Photonic Sciences

Valeria started to work in optics during her physics bachelor studies at Universidad Nacional de Colombia. She participated in several optics-related projects that gave her the opportunity to attend the major national physics and optics conferences. She obtained her bachelor's degree with a thesis on "Optimization of a solar concentrator for photovoltaic cells" in 2008. The same year Valeria started to study in the master's program at the Instituto Nacional de Astrofísica, Óptica y Electrónica (INAOE) in Mexico. In 2010 she received the master's Degree with a thesis entitled "Raman spectra acquisition of plasmonic-trapped particles", which was accomplished in collaboration with the group of Romain Quidant at ICFO. Encouraged by her experience during her master she recently enrolled for a joined PhD at ICFO and COSINGO where she will be working on the identification of plasmonic-trapped cancerigeneous cells via Raman Spectroscopy within the scope of the European project SPEDOC.

Key dates:

2008/03: Bachelor in Physics at Universidad Nacional de Colombia.

2010/09: Master of Science in Optics at INAOE.

2010/11: Start of PhD studies at ICFO.