

Alicia Ruiz-Caridad carried out her PhD at the Center of Nanoscience and Nanotechnology (C2N) and the Université Paris-Saclay. Her thesis work was devoted to the development of a new material approach for photonic devices based on hybridization of rare-earth-doped crystalline oxides on silicon platforms. In 2021, she moved at the Center of Electron Microscopy at Empa (ETH-domain, Switzerland) as a postdoctoral researcher. Since October 2022 She is a postdoctoral researcher in the University of Basel (Switzerland), under the frame of the NCCR-SPIN funded project of Swiss National Science Foundation (SNSF) involving University of Basel, ETH Zurich, EPF Lausanne and IBM Zurich among other swiss institutions. She is in charge of material's growth and integration of planar heterostructures and nanowires on silicon platforms for quantum computing purposes. Moreover, she implemented GPA and Raman techniques to strains to control carrier's mobility properties for quantum computing.