Professor Federico Sanchez is an experimental physicist specialised in neutrino physics and detector technology. He graduated at the Univ. of Sevilla and e got his PhD at the Universitat Autònoma de Barcelona working at an experiment at CERN (Switzerland). he worked as researcher at the Deutsches Elektronen Synchroton (DESY) in Hamburg (Germany) developing a couple trigger system for the HERA-B experiment and at the Max Planck Institute fur Kernphysik in Heidelberg where he acted as co-physics coordinator of the HERA-B experiment.

Federico Sanchez has worked at several particle physics experiments like ALEPH at CERN or HERA-B at DESY. In 2002, he joined the K2K experiment in Japan and since then he is working on neutrino physics as the leader of the group at IFAE. He participates in the T2K experiment in Japan from almost the very beginning. In T2K, He made major contributions to the experiment construction and main results, mainly the first explicit appearance results in neutrino oscillations.

Professor Sanchez was awarded with the Breakthrough prize on fundamental physics in 2016, together with the K2K and T2K collaborations for the discovery of neutrino oscillations. Between 2007 and 2011, he was member of the Nemo and SuperNemo collaborations and contributed to the preliminary ideas of the NEXT experiment searching for double beta decay without neutrinos. In August 2018, he moved as professor at the Universitey of Geneva where he directs the group dedicated to neutrino physics at the T2K and HK experiments. He has been involved in the development of the theory of neutrino-nucleus cross-sections with the goal to reduce the systematics of the neutrino oscillation experiments. The contributions vary from phenomenology developments to event generators, but also data analysis and model comparison. He is member of the Neutrino Scattering Theory Experiment Collaboration (NusTEC) executive committee from its foundation. he has been also interested in the development of detectors, both based on gas detectors such as Time Projection Chambers and Scintillator based trackers readout with MPPC’s with the aim at low and moderate energy neutrino experiments.

In April 2018 ^Professor Federico Sanchez was elected International Cospokeperson of the T2K collaboration.