

OligoCODES: A universal diagnostic platform based on oligonucleotide codified nanoparticles and DNA microarray sensor devices.

ADDRESSED PATHOLOGY: Cardiovascular diseases

GENERAL OBJECTIVES:

This project aims to develop an universal, multiplexed and flexible bioanalytical diagnostic platform that would allow detecting and measuring different combinations of biomarkers, independently from their chemical nature and their concentration, using the same chip and/or sensor technology.

PARTICIPANTS:

- **M.-Pilar Marco. Nb4D. IQAC-CSIC.**
- Josep Samitier. Nanomed. Bioengineering Institute of Catalonia.
- Fernando Albericio/Miriam Royo. University of Barcelona. Scientific Park of Barcelona.
- Ramon Eritja. IQAC-CSIC.
- Nerea Argarate. TECNALIA.

CLINICAL GROUP:

- Francisco Civeira Murillo. Instituto Aragonés de Ciencias de la Salud.