

**Project name** | GenomePT – National Laboratory for Genome Sequencing and Analysis

**Project code** | POCI-01-0145-FEDER-022184

**Main goal** | GenomePT aims to enhance the participation of Portuguese scientists in national and international genome projects, and promote genome research in important areas such as health, drug discovery, environment, marine resources, freshwater and biotechnology (agri-food, green chemistry).

**Intervention region** | North, Centre, Lisbon and Algarve

**Promoting entity** | Institute of Biomedicine (iBiMED) – University of Aveiro;

**Beneficiary entities** | Institute of Biomedicine (iBiMED) – University of Aveiro; Genoinseq – Biocant; Institute for molecular and cell biology (IBMC); Research Centre in Biodiversity and Genetic Resources (CIBIO) – ICETA of University of Porto; Instituto de Medicina Molecular (IMM); Instituto de Patologia e Imunologia Molecular da Universidade do Porto (IPATIMUP) – University of Porto; Instituto Gulbenkian de Ciência (IGC) – Fundação Calouste Gulbenkian; Instituto Nacional de Saúde Doutor Ricardo Jorge (INSA); Genomic Platform of the University of Coimbra (UC Genomics) – University of Coimbra; Biomedical Research Centre (CBMR) – University of Algarve; Center for Molecular and Environmental Biology (CBMA) – University of Minho.

**Responsible researcher** | Manuel António da Silva Santos

**Approval date** | 16-03-2017

**Starting date** | 01-06-2017

**Conclusion date** | 30-05-2020

**Total eligible cost** | 3.977.728,90 Euros

**European Union financial support FEDER** | 2.975.351,88 Euros

**National/regional public financial support** | 1.002.377,02 Euros

**Total eligible cost INSA** | 509.516,00 Euros

**European Union financial support FEDER INSA** | 203.806,40 Euros

**National/regional public financial support INSA** | 305.709,60 Euros

**Aims, activities and expected outcomes** |

GenomePT is a distributed genome sequencing and analysis infrastructure. Its main objectives are: i) promote the participation of Portuguese scientists in national and international genome projects and ii) develop clinical, environmental and agrifood genomics, biotechnology and green chemistry projects. GenomePT congregates

researchers and technical personnel, and important bioinformatics expertise that are dispersed across a wide geographical area of the national territory.

Genome sequencing and analysis is fueling a major revolution in biological, biomedical, environmental, agricultural and marine sciences, with visible impact on biotechnology and green chemistry, management of natural resources and health. Some members of GenomePT will promote new genome sequencing projects involving national and international partners, the national health service, food, pharma, biotech, paper, wine and fishing industries. By building the research capacity and aligning our research strategy with Regional, National and European development priorities for the 2014-2020 period GenomePT will make tangible contributions to regional development, the national economy and fixation of highly qualified human resources in the North, Centro, Lisboa and Algarve regions of Portugal. GenomePT will provide access to a wide range of services, including whole genome sequencing (DNA-Seq), exome sequencing, targeted DNA sequencing, genome bisulfite sequencing (methyl-seq), whole transcriptome sequencing, (RNA-seq), metagenome sequencing, DNA microarrays, microRNA microarrays and cytogenetics arrays (array-CGH).