

To:

- ☐ Scientific Advisory Board
☒ Management Committee
☐ Supervisory Board

Tender Report

002/2020

OBJECT	Animal Facility Research Unit
SHORT DESCRIPTION	Equipments, furnishings, plants and machineries for washing, sterilisation and reconditioning materials for the Animal Research Facility Unit
RESEARCH CENTER	Neurogenomics
TENDER AMOUNT	€2.500.000,00
TYPE OF TENDER	Restricted Tender
EVALUATION CRITERIA	70 points tech + 30 points eco
CONTRACT EXPECTED DATE	December 2020
CONTRACT DURATION	24 months
RUP (PROCEDURE RESPONSIBLE)	Iain Mattaj
DEC (CONTRACT RESPONSIBLE)	Giuseppe Testa
BUDGET OWNER	Giuseppe Testa
BUDGET CHECK	Yes
SHORT RESEARCHER'S SCOPE ANALYSIS	Human Technopole (HT) aims to develop a competitive in vivo modeling program by creating two highly innovative and closely

	<p>interconnected research infrastructures: the Gene Editing and Embryology Facility (GEEF) and the Animal Research Facility (ARF). These facilities must support the rapid and efficient in vivo validation of multigenic circuits, targets and mechanisms identified in both human in vitro models and in primary human cell models, also by exploiting the vast repertoire of available genetic and epigenetic editing systems (Cas9, dCas9, etc.) and optogenetics.</p> <p>The GEEF will work closely with the reprogramming, editing and organoid facility, in order to facilitate the rapid implementation and transfer of genetic/epigenetic editing strategies from in vitro to in vivo systems and viceversa.</p> <p>The new infrastructure, including preclinical labs and animal rooms is spread over an area of ca. 600 sqm, located on the ground floor of Incubator Lab # 3.</p> <p>On the same floor, there are offices for the staff and a room for the cryopreservation of the samples. The first floor is used for experimental activities closely related to the Animal Research Facility, such as the Transgenic Facility and the Reprogramming, Editing and Organoid facility. The context in which the construction of the infrastructure and the setting up of highly specialized equipment and scientific machinery is framed is of absolute forefront and innovation. All the materials, equipments and procedures are also environmentally sustainable, ergonomic and digitized to provide optimization of data collection, as well as their reproducibility. This fits with the current legislation (EU 63/2010; D.Lgs 26/2014) on the protection of animals used for scientific purposes and the 3Rs principle of animal ethical use.</p>
--	---



Fabio Terragni _____