EUROPE BIOBANK WEEK 2020 17 – 20 November | Virtual Conference

BIOBANKING FOR GLOBAL CHALLENGES

INTRODUCTION

A new infrastructure for rare diseases and tumours has been created within the investment program 2014-2020 National Research Program.

The project see the creation of the first certified biobank in the Marche region, MARCHEBioBank¹, namely where samples from the abovementioned rare and oncological diseases be collected.

AIM

The infrastructure aims to fulfil the regional and national requires for the treatment of diseases with a high medical needs (such as chronic, oncological and rare diseases) through the development in the Marche region of a strategic research and innovation platform in the field of personalized medicine.

METHOD

The project covers 4 lines of activities:

- 1. Creation of a regional non-profit biobank and a research lab
- 2. Development of 3 research projects:
- a. New diagnostic and therapeutic tools for the personalized treatment of cancer patients
- b. Platform for the development of new therapeutic tools for the personalized treatment of patients with rare diseases
- c. Development of new pharmaceutical and nutraceutical approaches for the treatment of chronic diseases
- 3. Development of a technology transfer platform for the industrialization of new products in the field of 4P medicine
- 4. Dissemination and exploitation of the results



- facilities:
- Develops enduring and sustainable collaborative networks.

- Generate benefits for the entire community by enabling the improvement of diagnoses and participation in pioneering clinical trials;
- therapeutic targets for the development of new drugs and new diagnostic approaches;
- Allow the identification of new diagnostic and
- Contribute to the construction of a large database for use in medical research;
- Allow companies to carry out research activities being able to use advanced technologies
- Allow local companies developing new technologies to show the benefits;
- Introduce innovative methods useful in the diagnosis of rare and oncological diseases in the Marche region; • Act as a "training ground" to support training on new technologies.

Marche Bio Bankt a new infrastructure for rare diseases and tumours

S. BIAGIOTTI¹ and the MARCHEBioBank network ¹University of Urbino, Urbino, Italy

RESULTS

Enhances specialist skills through the construction of the first biobank in the Marche region outside the healthcare

• Integrates the scientific and production system;

Favours the employment of highly qualified personnel in the companies;

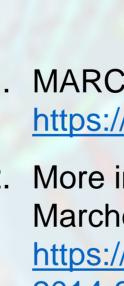
CONCLUSIONS

MARCHEBioBank and the research lab will:

The total investment is 10.3 million euros, supported by 5.4 million ROP-ERDF 2014-2020² contributions from the Marche Region. ROP, research operative programme; ERDF, European Regional Development Fund.



The excellent public-private partnership is made up of 10 companies, together with the 3 universities in the Marche region: University of Urbino³, University of Camerino and Marche Polytechnic University. The University Hospital of Ancona participates with the concession free of charge of the area where the biobank and the laboratory will be set up.



- 3. More information about the University of Urbino are available at the following URL: https://www.uniurb.it/
- 4. More information about the Italian node of BBMRI-ERIC can be found at the following URL: https://www.bbmri.it/

- BBMRI.it⁴;
- Federfarma Marche;
- Cryolab;
- diseases.

REFERENCES

- . MARCHEbiobank web site is coming soon at the following URL: https://www.marchebiobank.it/ https://www.regione.marche.it/
- 2. More information about the regional operating programme (ROP) Marche ERDF) can be found at the following URL: https://ec.europa.eu/regional_policy/index.cfm/en/atlas/programmes/ 2014-2020/Italy/2014it16rfop013



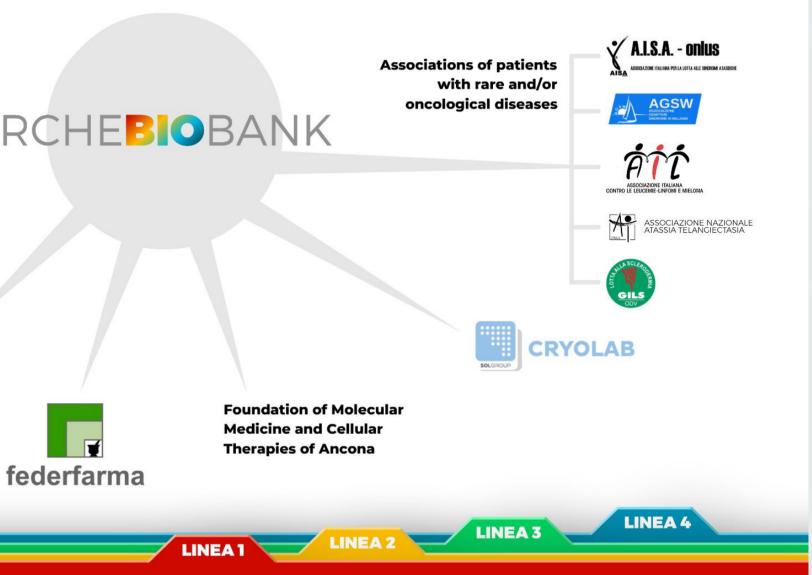
Dr. Sara Biagiotti PhD., University of Urbino (PU) – Italy, sara.biagiotti@uniurb.it, +39 0722 305201 Prof. Mauro Magnani, University of Urbino (PU) – Italy mauro.magnani@uniurb.it, +39 0722 305211



1506 UNIVERSITÀ DEGLI STUDI **DI URBINO** CARLO BO



MARCHEBioBank has the support of several regional and national associations, federations and networks:



Foundation of Molecular Medicine and Cellular Therapies;

Associations of patients with rare and/or oncological

ACKNOWLEDGEMENTS

We wish to thank all the MARCHEBioBank network, Sinergia Consulenze S.r.l., Cluster Marche Foundation and Empix Multimedia S.r.I. for their contribution and BBMRI.it for its precious support to our initiative.

CONTACT INFORMATION

