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BIOBANKING FOR GLOBAL CHALLENGES

BBMRI.it promotes coordinated action towards the COVID-19 pandemic

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INTRODUCTION

COVID-19 epidemic is a challenging situation, falling in the area between clinical care, public health and clinical research.

AIN

To address the immediate need to do research for a better understanding of COVID-19

METHOD

Set up of a COVID-19 dedicated section of the BBMRI.it portal

Publication of guidelines and recommendations.

Structure the ethical framework of COVID-19 research.

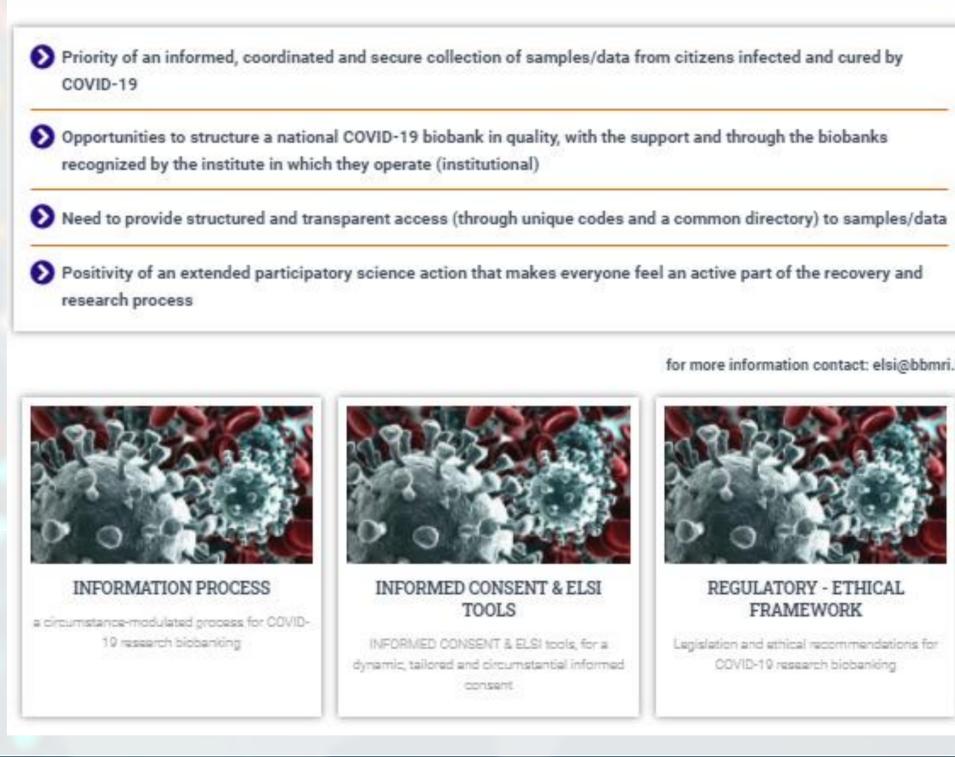
Launch of a survey among Italian biobanks in order to promote sharing of resources.

RESULTS

A COVID-19 dedicated section of the BBMRI.it portal has been set up https://www.bbmri.it/en/biobanche-covid19/, to make tools and documents immediately available to the scientific community:

- International guidelines and recommendations for the collection, transport, storage and laboratory testing of biological samples covid-19 have been published, by linking to CDC and WHO public databases https://www.bbmri.it/en/documenti/documenti-covid-19/
- The ethical framework of COVID-19 research has been shared and the information process to the patient has been structured https://www.bbmri.it/en/nodo-nazionale/elsi-covid-19/assetto-etico-normativo/
- A specific informed consent model for the collection, preservation and use of biological materials and associated data (biobanking) for COVID-19 research has been produced https://www.bbmri.it/en/nodo-nazionale/elsi-covid-19/strumenti-informativi/
- A survey among Italian biobanks was launched, to understand which resources (biological samples and data) are available and can be shared to facilitate progress in the knowledge of the virus.

Research On COVID-19 What Can We Do To Help Research? BBMRI.it is supporting BBMRI-ERIC in joining forces to find ways to help the scientific community understanding of COVID-19 and to improve the clinical and public health response, we would like to Global Research on COVID-19 mow from you the resources you have available, biological samples and data , which you have, to the biological resources that can be made available to researchers and share with the scientific community to facilitate progress in the knowledge of the ELSI COVID-19 <u>Report the scientific articles that seem most relevant to you and any available knowledge or skills.</u> BBMRI.it will compile a document that will be shared at national and European level through The BBMRI.it team is at the forefront to stem the COVID-19 pandemic In Evidence Priority of an informed, coordinated and secure collection of samples/data from citizens infected and cured by Opportunities to structure a national COVID-19 biobank in quality, with the support and through the biobanks recognized by the institute in which they operate (institutional) Need to provide structured and transparent access (through unique codes and a common directory) to samples/data



CONCLUSIONS

To improve the clinical and public health response, an unprecedented action is underway to collect biological samples and demographic and health data from the population, which are crucial for effective research on COVID-19.

Italy has been dramatically at the forefront of the pandemic, facing an emergency which amounts to an unprecedented clinical, humanitarian, ethical and financial crisis.

BBMRI.it has taken immediate action, by supporting BBMRI-ERIC in joining forces to find ways to help the scientific community to conduct research on Covid-19.

REFERENCES

Istituto Superiore di Sanità Recommendations for collection, transport and storage of COVID-19 biological samples. Version of April 15, 2020. ISS COVID-19 Translational Research Working Group 2020, 19 p. Rapporti ISS COVID-19 n. 13/2020

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