



H2020 SC1 PHE CORONAVIRUS 2020-2: TOPIC # 4 "PAN-EUROPEAN COVID-19 COHORTS"

Expertise Policlinico for COVID project

Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico of Milan (Italy) is a reference center within national and international networks of research and treatment. Our Unit of Infectious Diseases, headed by **prof. Andrea Gori**, has extensive experience in the study of viral infections and specifically in the research area of immune-pathogenesis of viral infections and mechanisms of interaction between the viruses and the host as well as in the treatment of critically ill patients, with particular regard to acute respiratory failure, lung infection, extracorporeal support and chest imaging. Prof. Gori's Unit is on the front line of the COVID-19 fight.

Our Intensive Care Unit, led by **prof. Antonio Pesenti**, is composed by trained intensivists, nurses and physiotherapists, has 70 beds of COVID-ICU in the Policlinico's hospital and potentially other 250 beds of COVID-ICU at Fiera Milan, with all the facilities for Invasive Ventilation. During the ongoing pandemic, our ICU has collected data for the evaluation of risk factors for intubation or death, with the aim to set the best interventional bundle based on biomarkers and physiological evaluation to identify the best treatment approach and to reduce the risk of intubation and mortality.

In the context of recent COVID-19 pandemic, the Fondazione IRCCS Ca' Granda Ospedale Maggiore Policlinico has admitted over 1.000 patients and established a Biobank including 560 individuals and over 10.000 samples from the city of Milan and the surrounding districts. This has led to the collection of a large amount of data that must be well used to answer some essential questions from a genetic, viral and biological point of view.



Search of potential international partners with following expertise:

1. Bioethics
2. Statistics
3. Economy
4. Epidemiology
5. Sociology
6. Super-computing center
7. Web communication

Contacts:

manuela.martorana@policlinico.mi.it (ph. +390255038359 – skype: manuela.martorana)

andrea.gori@policlinico.mi.it

alberto.zanella1@unimi.it

