

The coordinators and partners of the *Milieu Intérieur* consortium started working on COVID-19 from the beginning of the pandemic and have accelerated their activities during the pandemic. Below are the studies the consortium members were/are involved in on the COVID-19 pandemic.

Coordinators

1. ***Luis Quintana-Murci***
Study of transcriptional responses to SARS-Cov-2 infection in individuals of different ethnic backgrounds, age and sex at the single cell level.
2. ***Darragh Duffy***
Study of how immune variability results in different clinical outcome in Covid-19 patients

Partners

Institut Pasteur

3. ***Ana Cumano***
Her unit is running an immunophenotyping of peripheral blood lymphocytes of healthy hospital staff after COVID-19 infection in Soweto, South Africa.
4. ***Anavaj Sakunthabhai***
He works on immune crosstalk of Covid-19 and is a partner of human genetic study of Covid-19
5. ***Andres Alcover***
Two researchers from his unit have been performing large national serological studies in patients and in general population cohorts.
6. ***Frederic Tangy***
His team is working on a candidate vaccine against Covid-19 based on the measles vaccine vector.
7. ***Marie-Noelle Ungenheuer***
Her team is involved in the biobanking of several sero-epidemiological projects on various populations and of a longitudinal study of the immune response to COVID-19 within the Crepy cluster.
8. ***Christophe Zimmer***
His lab is developing and validating a technique to visualize SARS-Cov-2 RNA in single cells, tissue and patient samples and AI tools to diagnose Covid19 from CT scans of the lung.
9. ***Francois Dromer***
They are collecting data to better characterize invasive fungal infections complicating COVID-19 in ICU during the period March to May 2020.
10. ***Jost Enniga***
His lab has implemented a correlative light and electron microscopy pipeline via cryo tomography to decipher the intracellular lifestyle of SARS-CoV-2 within infected cells.
11. ***Benno Scwikowski***
A PhD student in his lab created a new computational pipeline that provides information of unprecedented resolution for clinical samples of viral infections.

12. **Gerard Eberl**

The impact of the intestinal microbiota and intestinal barrier efficacy on the cytokine storm induced by COVID-19

13. **Hugues Aschard**

Identification of genetic factors in the COVID-19 host

INSERM

14. **Laurent Abel**

They discovered that nearly 14% of patients with life-threatening COVID-19 pneumonia have impaired production or activity of type I interferons, due to inborn errors of immunity in a type I interferon production circuit or to blockade of type I IFN activity by pre-existing neutralizing autoantibodies.

15. **James Di Santo**

His lab studies SARSCOV2 mucosal immunity in humans and developing new humanized animal models for SARSCOV2 infection and pathophysiology.

Institut Imagine

16. They are studying immune responses in severe form of adult COVID and in pediatric multi-inflammatory syndrome related to COVID-19

Trinity College Dublin

17. The teams are looking for biomarkers during early CoVID19 infection that might predict 'Long CoVID19'

Karolinska Institutet

18. Systems-level analyses of acute COVID-19 and MIS-C in kids.

Université Paris-13

19. Assessing the impact of the crisis on lifestyle, diet, physical activity, economic, psychological burden, etc. and investigating risk factors for SARS-CoV-2 infection.

Institut Curie

20. The labs are involved in the Curiosa studies about the serological response of Institut Curie employees both locally and systemically.