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. **Lluis 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 SARS-CoV2 mucosal immunity in humans and developing new humanized animal models for SARS-CoV2 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 COVID'9'

**Karolinska Institutet**


**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.