

Belgian Long Covid Research Network

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NCP Wallonia

Marc Jamoulle MD, PhD
HEC ULiege Information systems
marc.jamoulle@uliege.be



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Calendar. ~1500 (Détail)
Leuven, M-Museum

Background

Cabinet médical Janson
Médecine Générale,
Charleroi
Family practice

→ **Clinical issue**

07/2021

→ **Meeting
patients**

→ **Questions
about new
conditions**



Publications



**Looking for
partnerships**

Background

Looking for partnerships

- 2022 Contact with Johan Van Weyenbergh, PhD, senior immunologist, KULeuven, Rega institute through the network <https://www.covidhge.com/>
> Start of transcriptomics research (and international collaboration)
- 2022 Collaboration with [Le Ressort](#), support structure for people with cerebral palsy, funded by the AVIQ > powerful support for Walloon patients
- 2023 Contact with Prof Nicaise, neurobiologist, **Unamur**
> Contribution to its work, collaboration launched
- 2023 Contact with Prof Schmitz, anthropologist CAMG, IRSS, **UCL**
> Analysis of texts focusing on patients and their experiences
- 2024 Seeking collaboration with a functional MRI centre (yet unsuccessful)

Objectives

Understanding
the disease

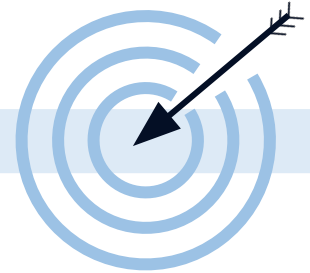
Suggest and
evaluate
symptomatic
treatments

**Disseminating
information**

Helping
patients on a
personal
clinical level

Gathering
quantitative and
qualitative
information
(database)

Being ready to
test a causal
treatment



Ethical issues

Belgian rules for MD

Belgian code on medical ethics about data confidentiality

KUL ethical committee

COVID Resistance study - consent form for infected subjects approved by KUL Hospital Committee 3 July 2020

ULg ethical committee

Research approved by ULg hospital ethical Committee 2022

Moyens

Déjà opérationnels

- Cohort of 184 patients spread across Belgium (represented on the following slide)
- Investment of personal time MJ
- Investment of personal time and resources JVW
- Volunteer investment of specialist IT staff

Souhaitables

- Funding for staff and reagents to carry out multiomics research
- Funding for research organisation
- Funding of a research database (next dia)

Data sharing

Plateforme

- Join a project to share data collection
- Sharing information between hospitals
- Advantages:
 - Significant resources
- Disadvantages:
 - Late implementation
 - A lot of red tape
 - Not very customisable

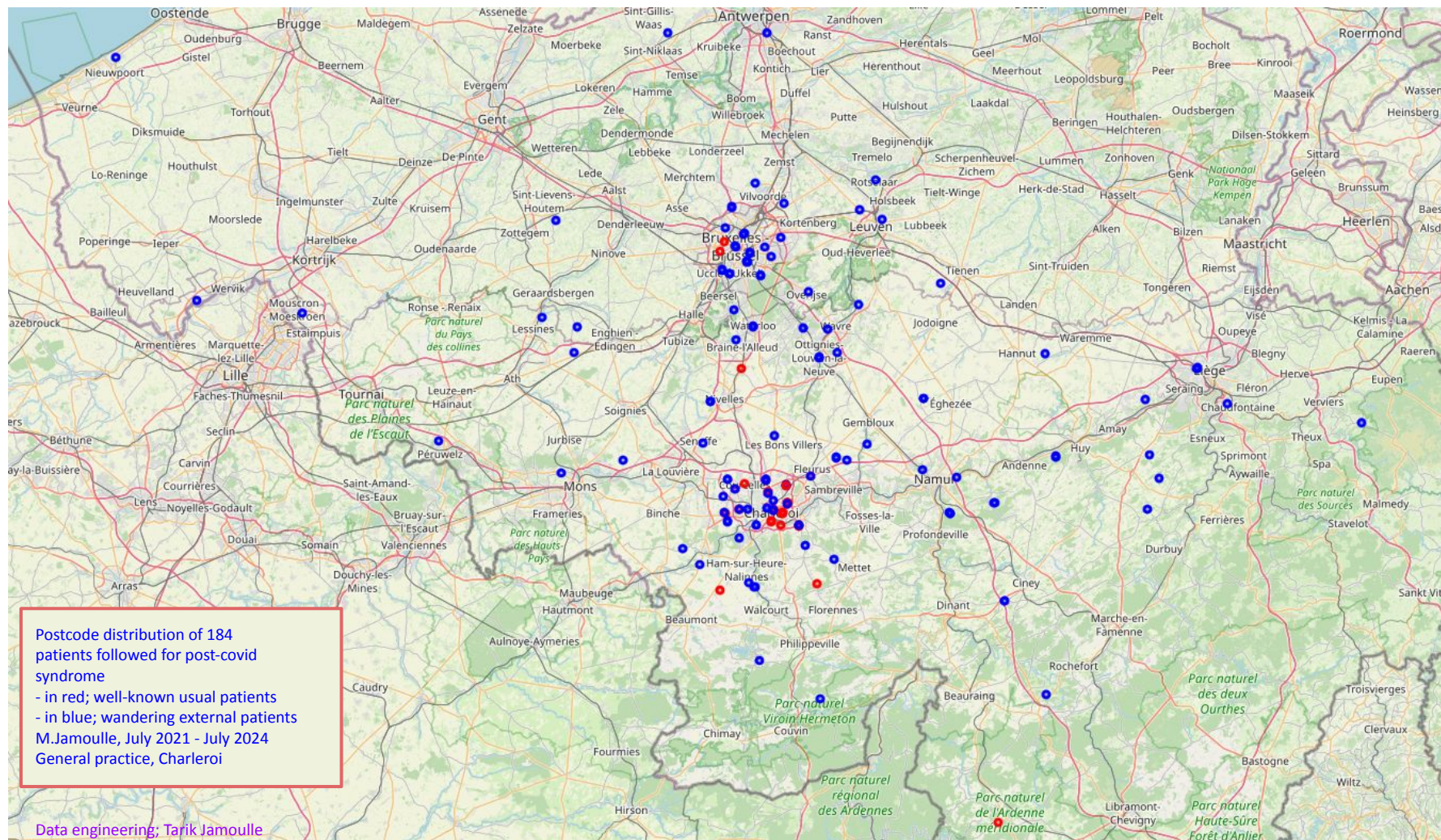
https://www.health.belgium.be/sites/default/files/uploads/fields/fpshealth_theme_file/liste_public_e_data_capabilities_2023.pdf

Projet sur mesure

- Development of a dedicated web application
- PostgreSQL database
- Secure connection
- Secure data sharing
- Estimated cost: €200-300k
- Potential partners: [Data Forest](#), [Hatch](#)
- Benefits:
 - Fully customisable
- Disadvantages:
 - Expensive

Système Low cost

- Use of existing systems (google sheets)
- Potential use of Google Appsheet
- Focus on 'low code
- Responsibility for data quality and security assigned to doctors / institutes / principal investigator
- Advantages:
 - Low cost (estimate 50k)
- Disadvantages:
 - Outsourced responsibilities



Publications

- Jamoulle M. (2021-2024) Open [bibliography classified online on Long covid](#)
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- Jamoulle, M. (2022). “Ca fait bizarre que quelqu'un m'écoute” Le long Covid en médecine de famille. [ORBi-University of Liège](#)
- Menezes, S. M., Jamoulle, M., Carletto, M. P., Moens, L., Meyts, I., Maes, P., & Van Weyenbergh, J. (2024). Blood transcriptomic analyses reveal persistent SARS-CoV-2 RNA and candidate biomarkers in post-COVID-19 condition. The [Lancet Microbe](#)
- Jamoulle, M., Louazon, E., Antonacci, T., & Van Weyenbergh, J. (2024). Speed up relief for long COVID through grassroots clinical trials. [Nature, 626\(8001\).](#)
- Jamoulle, M. (2024). Ethique, épistémologie et Long Covid. Belgique 2021-2024. Le Ressort Gembloux, Belgium. [ORBi-University of Liège.](#)
- Schmitz O. (2024). Cellule Recherche du CAMG, IRSS, UCL. Cahier de recherche Long Covid, [unpublished draft.](#)
- Rodriguez, L., Tan, Z., Tadepally, L. K., Wang, J., Barcenilla, H., ... & Brodin, P. (2024). Restrained memory CD8+ T cell responses favors viral persistence and elevated IgG responses in patients with severe Long COVID. [medRxiv, 2024-02.](#)
- Jamoulle, M., & Van Weyenbergh, J. (2024). The Covid Resistance Study project - Start 2021- Update June 2024. [ORBi-University of Liège.](#)



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