



*6-month follow-up in patients with persistent Long Covid symptoms compared with recovered COVID-19 patients and healthy controls. Measurements were done using proteomics, spectral flow cytometry, single-cell transcriptomics, high-throughput antibody measurements, and targeted assays. Red arrows mark activating protein interactions, and blue arrows mark inhibiting protein interactions. Dashed arrows connect changes in different biological pathways.*

Analyses of protein alterations in [Long Covid patients](#) have confirmed heightened activity of the complement system. Those experiencing active Long Covid also displayed elevated blood levels suggestive of damage to various types of body cells, including red blood cells, platelets, and blood vessels.

**Journal article: Carlo Cervia-Hasler, C., et al., 2024. [Persistent complement dysregulation with signs of thromboinflammation in active Long Covid](#). *Science*.**

*Summary by Stefan Botha*