

Christopher Mason's Lab



- Evolutionary analysis, viruses, astronauts, wastewater, + more

A Second Space Age Spanning Omics, Platforms, and Medicine Across Orbits



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The Space Omics and Medical Atlas (SOMA) and international astronaut biobank

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Space Omics and Medical Atlas

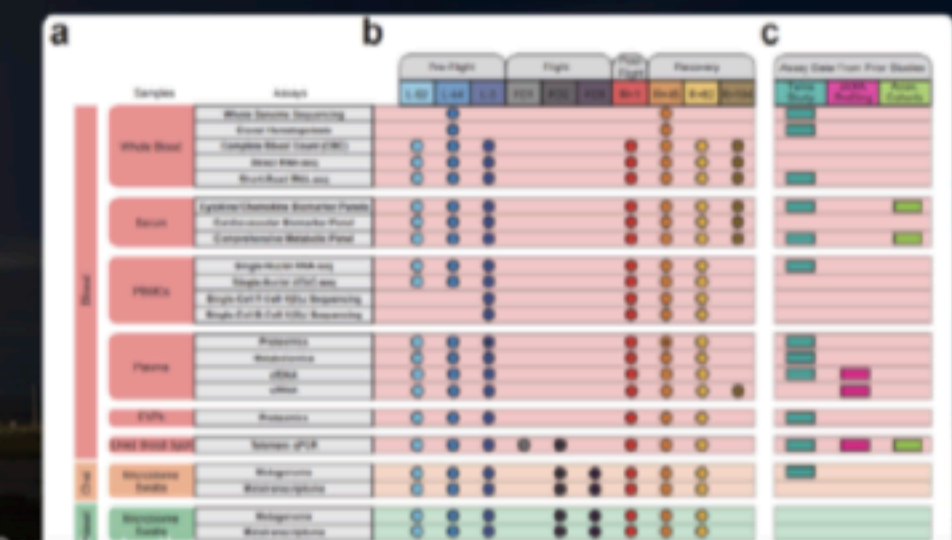
INSPIRATION4 TEAM PEOPLE PARTNERS

SpaceX Inspiration4

Inspiration4 was the first human spaceflight to orbit Earth with only private citizens on board. The Crew Dragon capsule *Resilience* launched on 16 September 2021 and landed on 18 September 2021.

For the mission we have collected and analyzed a comprehensive set of longitudinal multiomics data from the astronauts that span pre-, in-, and post-flight periods. These results and datasets are made available as a resource for all related biomedical and spaceflight research.

2911 Collections
1194 Processed samples
22 Assays
10 Timepoints



<https://soma.weill.cornell.edu>