

Immunome studies in space



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Specific Aims

- Study how long term space travel affects the immune system
- We will study how parameters of the immune system change at baseline and after a seasonal flu vaccination
- To do so, we study baseline and post flu parameters before, during and after a one year space flight

Implications of the Research for Space & Earth



Space:

Will ensure that astronauts keep a healthy immune system during long flight, and stay protected against infections from earth when visitors are coming.



Earth:

Understand how immune response to vaccination differ in twins

