## Vestibular/Sensorimotor Impacts (SM)

### SM2.1:
Determine the changes in sensorimotor function over the course of a mission and during recovery after landing.

### SM6.1:
Determine if sensorimotor dysfunction during and after long-duration spaceflight affects ability to control spacecraft and associated systems.

### SM7.1:
Determine if there are decrements in performance on functional tasks after long-duration spaceflight. Determine how changes in physiological function, exercise activity, and/or clinical data account for these decrements.

### SM26:
Determine if exposure to long-duration spaceflight leads to neural structural...
SM24: Determine if the individual capacity to produce adaptive change (rate and extent) in sensorimotor function to transitions in gravitational environments can be predicted with preflight tests of sensorimotor adaptability.

SM27: Determine the most optimal pharmacological and sensorimotor countermeasure combination that reduces Space Motion Sickness (SMS) while minimizing side effects.

SM28: Develop a sensorimotor countermeasure system integrated with current exercise modalities to mitigate performance decrements during and after spaceflight.