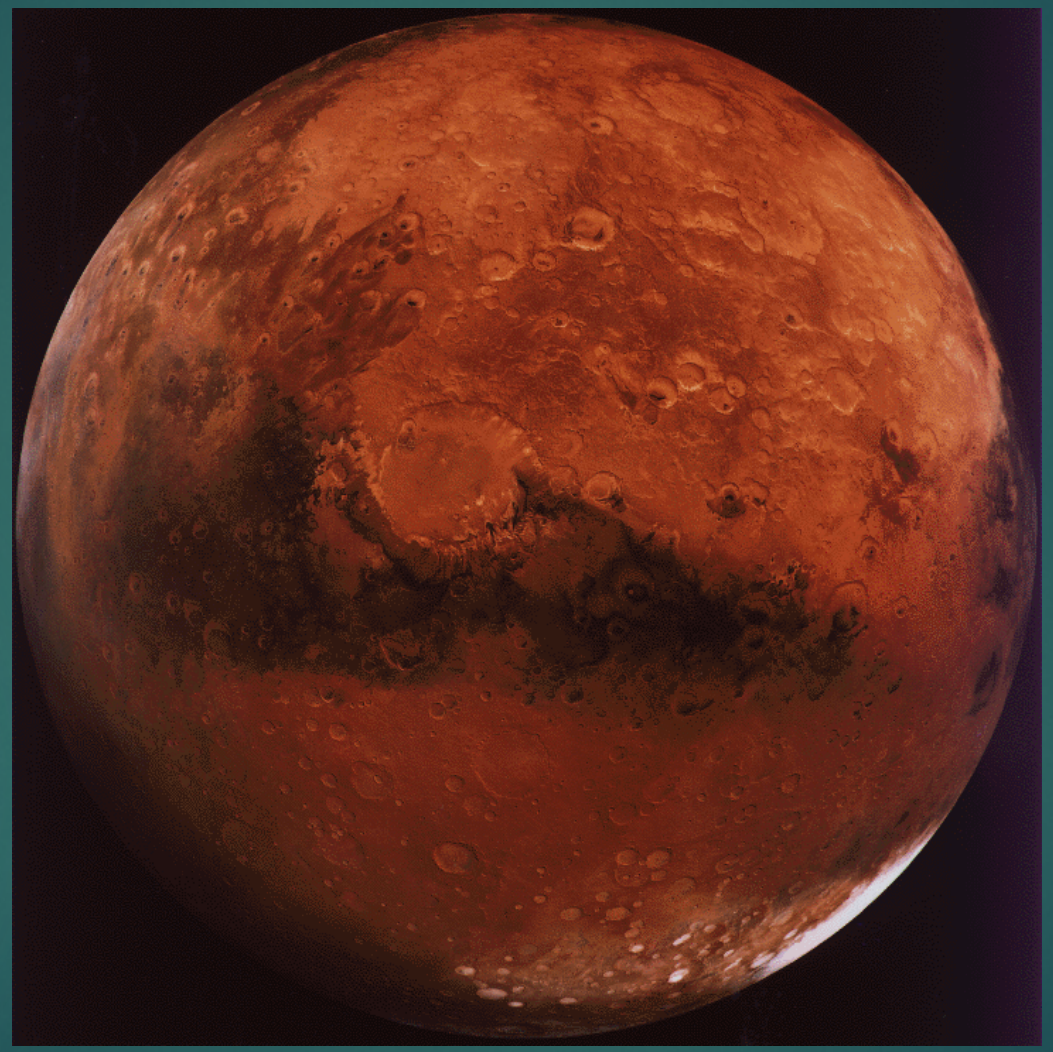

# Samantha Torres

Bachelors of Science in Biological Anthropology (2016)
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Bone and Signaling Lab
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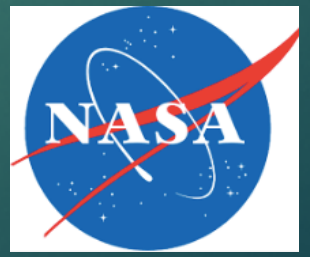
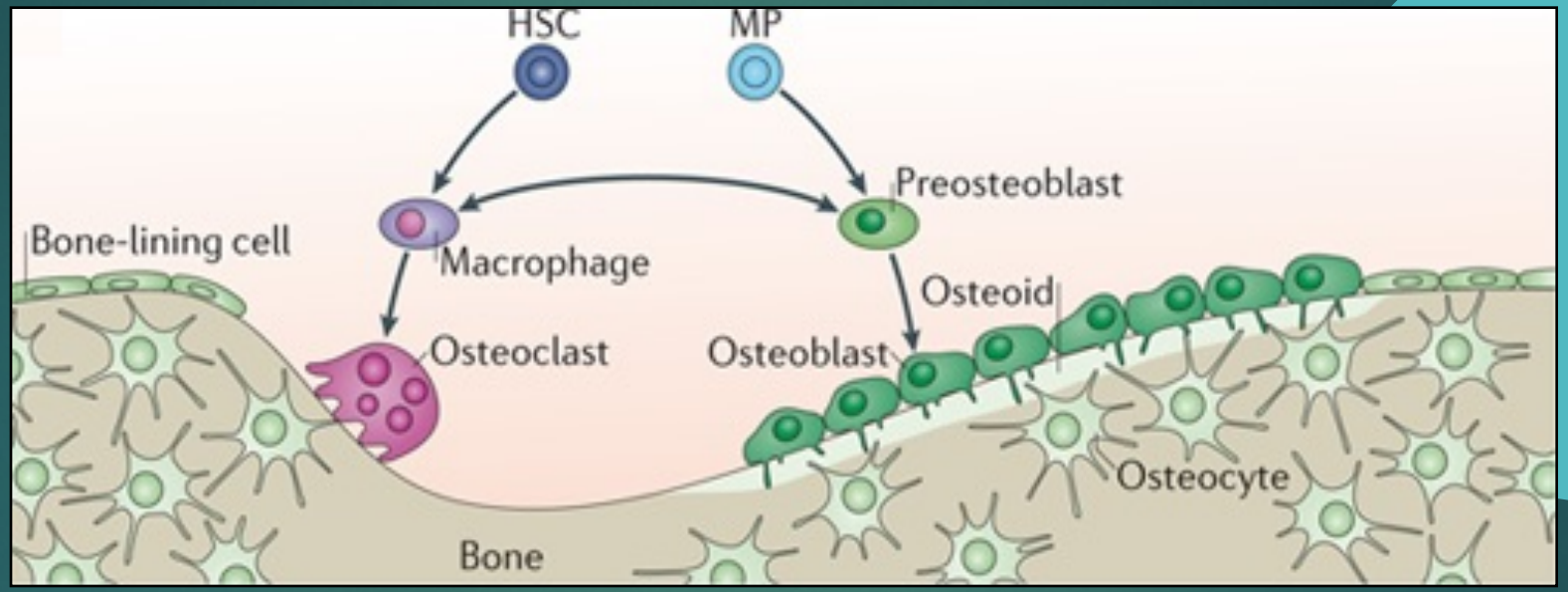
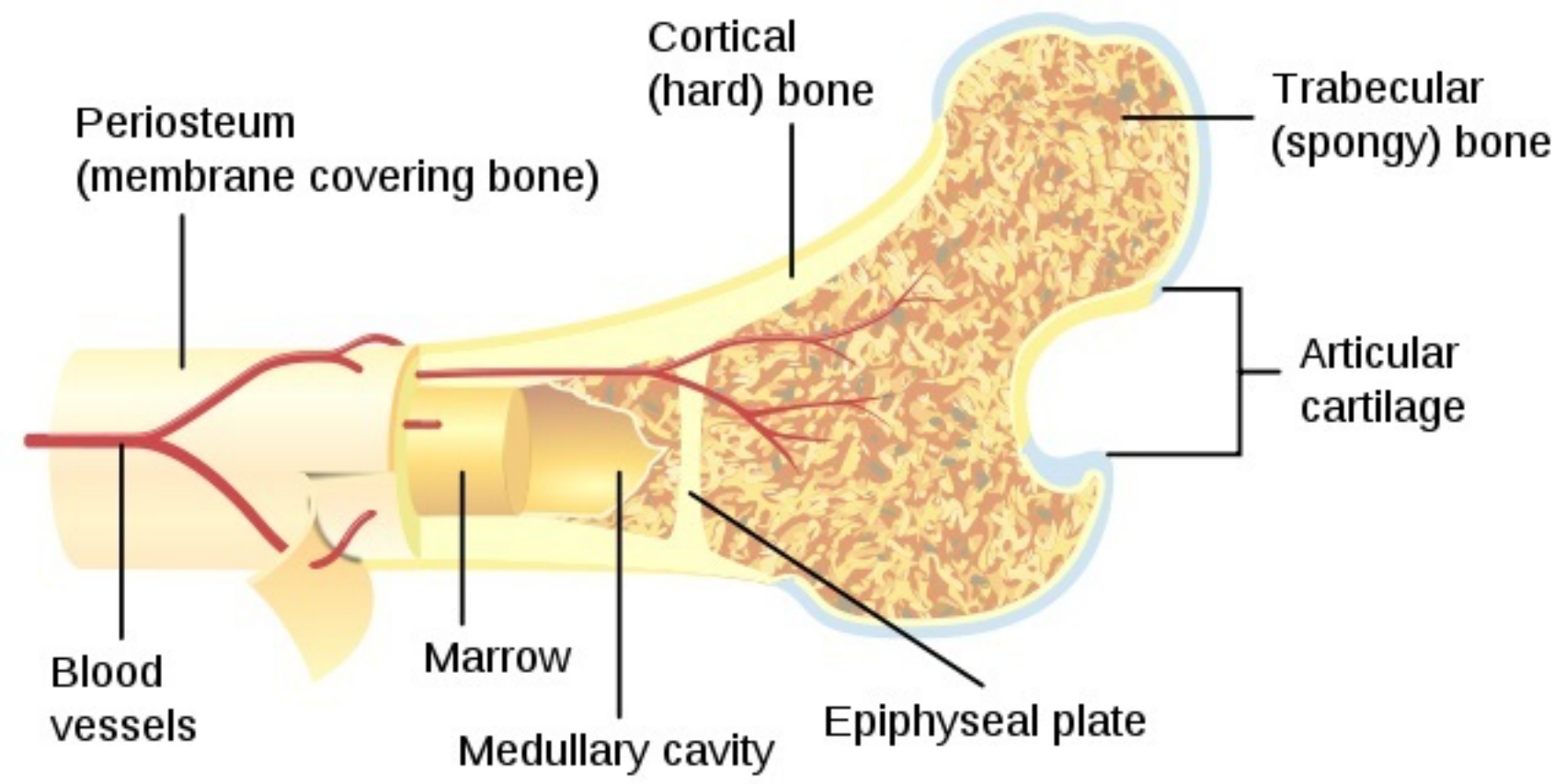


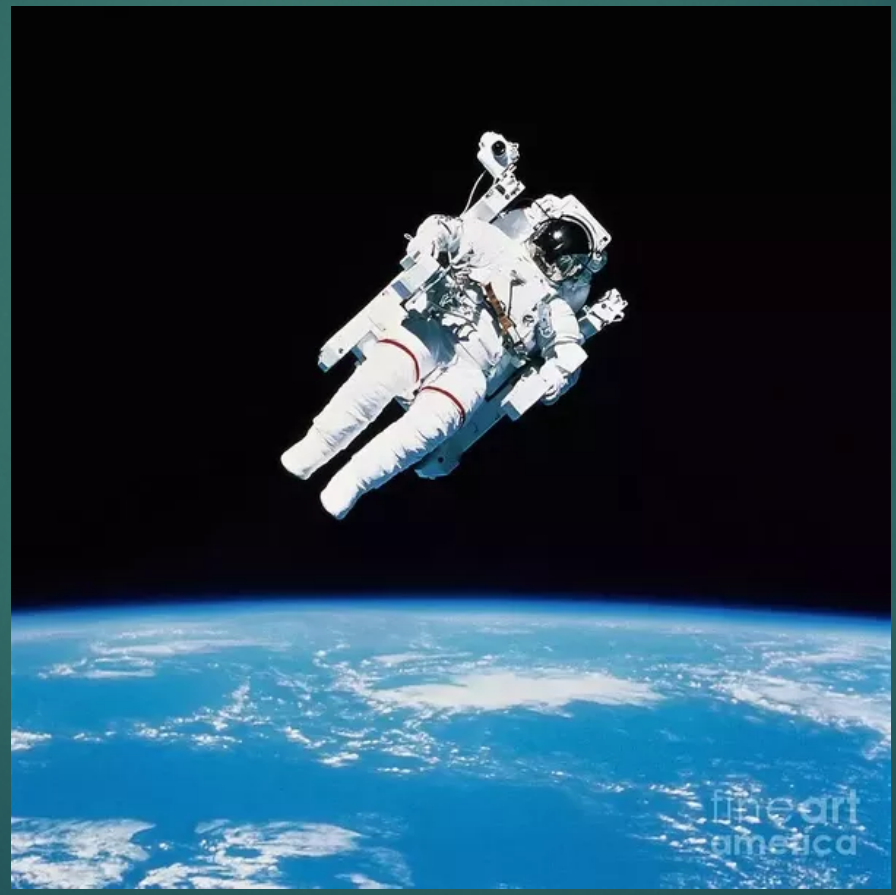

# Bone Biology



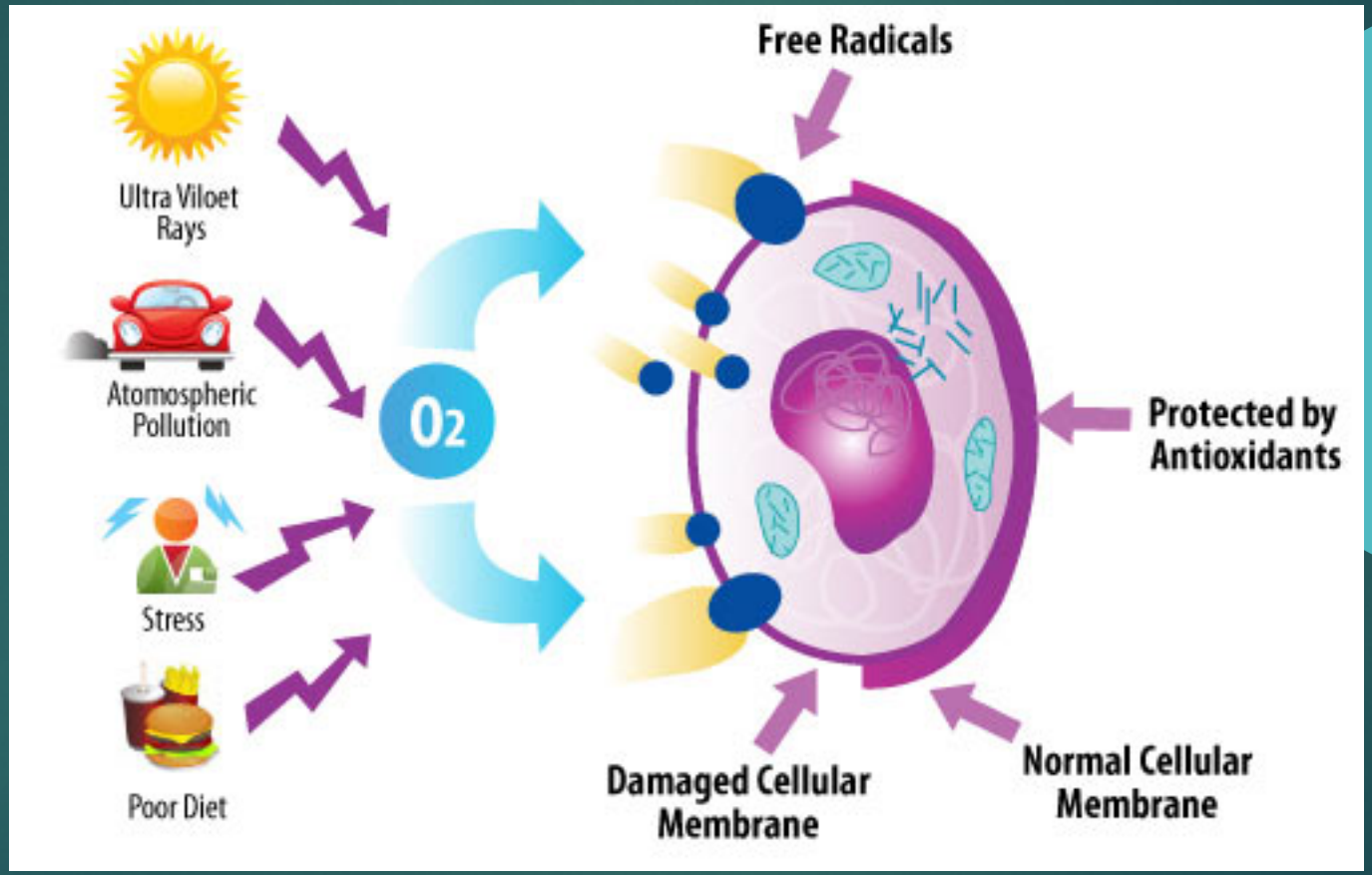
# Bone Structure



# Space Environment: Radiation and Microgravity

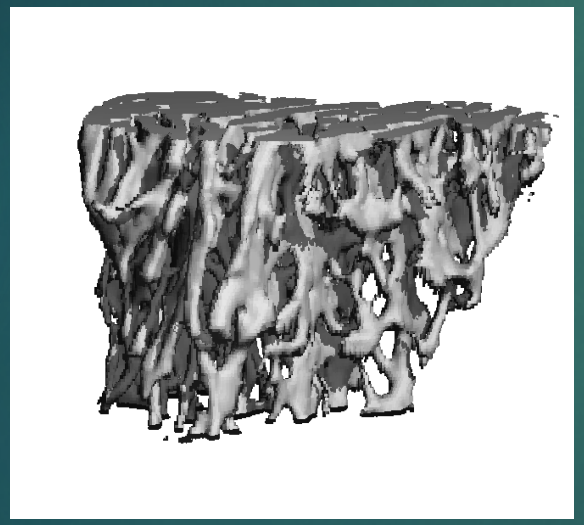


# Oxidative Damage



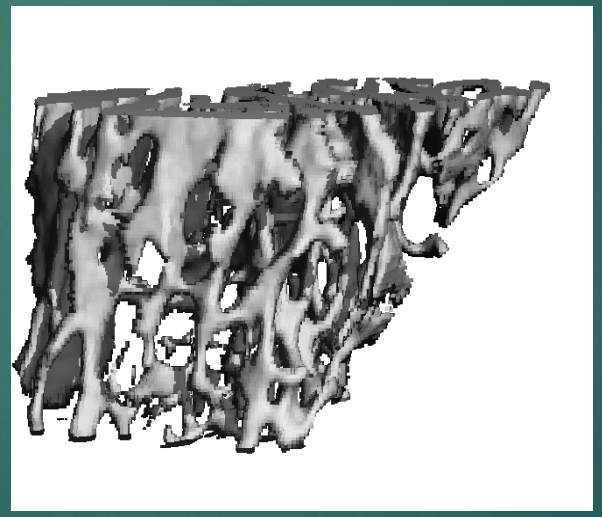
# Bone Loss in Simulated Space Environment

**Control (ambulatory)**



VS

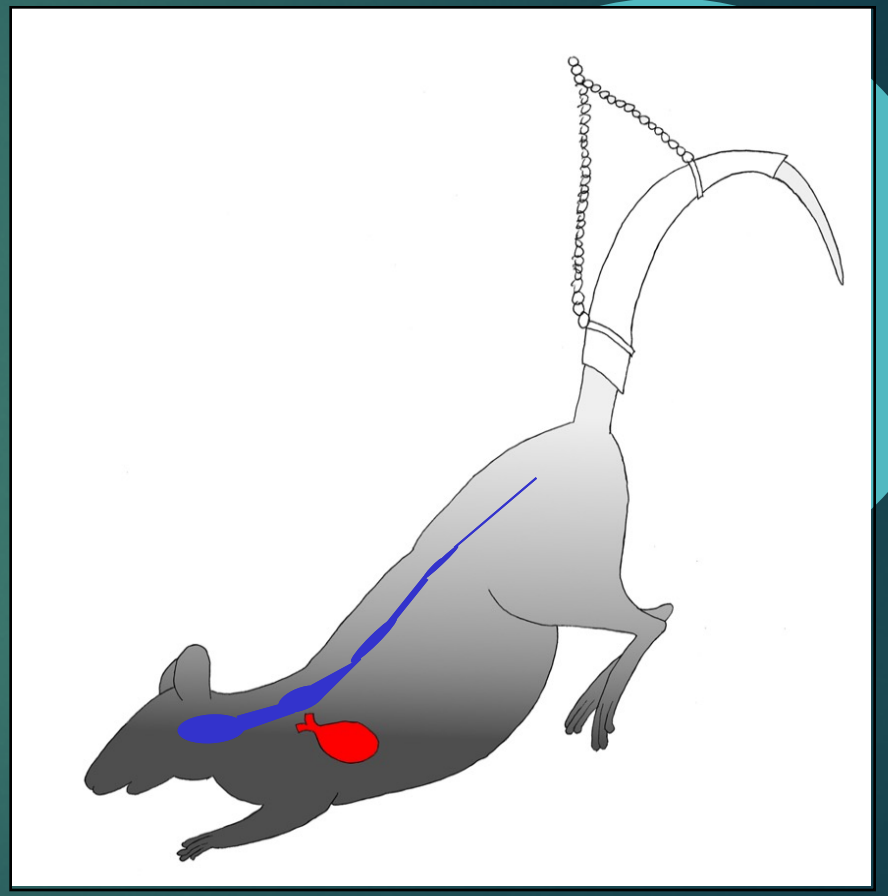
**Hindlimb Unloading (HU)**



Representative microcomputed tomography images of rodent tibia (cancellous region) before and after hindlimb unloading.

# Hindlimb Unloading

Hindlimb Unloading (HU) is a ground-based model for musculoskeletal disuse and microgravity simulation



# mCAT Mice!

# Implications Here on Earth

Cancer patients receiving radiotherapy

Bedridden patients

# Implications Here on Earth