



USAMRDC Good News Story



U.S. Army Medical Research and Development Command

USAMRDC, NASA Ready to Launch With Pivotal Cell Studies in Tow

- USAMRDC will contribute materials for a key bone density study to the payload of an upcoming resupply mission to the International Space Station in late July 2019.
- As part of the “Cell Science-02” mission, investigators will research the effects of microgravity on cultures of osteoblasts, which are cells that form new bone tissue.
- The information gained from the study may aid in the development of potential bone loss therapies, and may possibly lead to new countermeasures against bone loss and new treatments for damaged bones.
- Dr. Rasha Hammamieh will serve as one of the Principal Investigators of the “Cell Science-02” mission.
- The resupply mission is scheduled to launch via SpaceX rocket from Cape Canaveral, Florida, on July 21; and will feature a payload of more than 50 scientific experiments in all.



Clockwise from top: Official patch of the CS-02 mission; Official NASA logo; Screenshot of an incubator cassette from the NASA Bioculture System research platform (courtesy nasa.gov).

OUTCOME: By teaming with NASA and other high-profile public and private entities, the USAMRDC continues to lead relevant scientific studies that have the potential to impact Soldiers and American citizens in a positive manner.