NASA BRAILLE

Featuring Spot Robots at Lava Beds National Monument

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Does life exist on other planets?

Well, most scientists conclude that microbial life is the most likely alien life that we may discover on other worlds.

Martian caves may provide enough shelter to protect remnants of former microbial communities.

BRAILLE is a research project funded by NASA's Planetary Science and Technology through Analog Research (PSTAR) program that aims to explore this possibility by characterizing microbial life and its life signatures within volcanic caves, demonstrating sub-surface activities using robots in a simulated Mars scenario, and assessing the performance of the robot-mounted scientific instruments in low or no light settings to explore, map, and assist in remote astrobiology science.

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