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PPS22-P06

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Astrobiology Exploration Research Institute

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In this paper, we discuss our proposed Astrobiology Exploration Research Institute. The primary role of this institute is to lead research in "soft material" analysis research for remote-sensing observation from an orbit, in-situ analysis on planetary surfaces, and returned-sample analyses in laboratories. "Soft material" analyses hold the key for the upcoming era of astrobiology planetary missions.

Keywords: planetary exploration, astrobiology, center of exellence, industry-academia collaboration, Onboard instrument development, soft material