Current and Future Space Missions.
Great Questions of the Next Decade
in Connection with Laboratory Astrophysics

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Laboratory studies have been vital for interpreting a wide range of astrophysical data, ranging from mineralogical and isotopic studies of meteors, to the recognition of interstellar mixture of ices, and from radioactivity estimates of the age of the Earth to the study of molecular species in the atmospheres of cool stars and highly ionized gases in active galactic nuclei. I will review some past achievements of laboratory investigations and will identify further needs for studies in support of major space missions now being prepared for launch in the decade ahead.