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Microbial micro flora around deep-sea hydrothermal area

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There are microbial micro flora around deep-sea hydrothermal area depending on the reducing hydrothermal fluid. The ecosystem depends on the free energy obtained from the reaction during the mixing process between reducing compounds such as hydrogen sulfide, hydrogen, and methane, with oxygen in seawater. However, the mixing process proceed in various environment such as the hydrothermal vain, diffusing process from the vain, elution process from chimneys and inside of the chimneys. The micro flora therein are expected to vary depending of the situation. We will discuss about the micro flora revealed from our recent experiments.