

# Effects of ocean warming and acidification on the coral microbiome

Microbiomes (both prokaryotic and eukaryotic) associated with animals have a strong influence on host evolution, physiology, and ecological functions. This project will focus on the study of how environmental changes affect the composition of the microbiomes in corals and consequently how these changes affect the hosts. Ongoing global warming effects, such as rising sea temperature and acidity, have strong impacts on free-living marine microbial communities, but its effects have not been properly studied on host-associated microbiomes. To tackle this, students will use a combination of state-of-the-art molecular biology, ecophysiology and bioinformatics.

