## How to scape from a killer fungus: a study of the epithelial microbiota as the main barrier to *Batrachochytrium dendrobatidis* infection.



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Amphibians are the world's most threatened class of vertebrates. Habitat loss and the emerging fungal infectious disease, chytridiomycosis, have been singled out as the causes that inflict the most damage on amphibian biodiversity. Chytridiomycosis is causing mass mortality and population declines worldwide. This disease is the greatest challenge for amphibian conservation as no proven implementable strategy in the field exists that can combat this disease. The community composition of the cutaneous microbiota has a strong effect on the morbidity caused by chytridiomycosis and is essential in the survival of the populations. The experiments proposed later try to recognize if different species of wild amphibians can promote beneficial anti-Bd bacteria when they are exposed to the fungus and acquire more information about the microbiota's role in the resistance of amphibians to chytridiomycosis.

