

**Invitation to a Guest Lecture
at the joint colloquium of the Institute of Biology and Environmental Sciences and the
Department of Neuroscience**

Module bio890: Current topics in biology

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Passive acoustic monitoring to study whale populations and ecosystem dynamics in remote marine regions

The Polar Oceans provide essential ecosystem services to human societies, but at the same time they are particularly difficult to study. Passive acoustic monitoring can be used to study animal populations and ecosystems through their sounds and simultaneously allows for the assessment of anthropocentric impacts such as ship noise or seismic exploration. Long-term and large-scale datasets need to be analyzed with efficient automatized algorithms including the implementation of artificial intelligence.

06.06.2023, 4 pm (s.t.), W04 1-162

Host: Prof. Dr. Gabriele Gerlach (Animal Biodiversity and Evolutionary Biology), IBU

Members of all institutes are cordially invited to join the lecture.