

## Master thesis in biology, microbiology

**Title (working title):** Flushing into the ocean: Tracking antibiotic resistance in the marine environment

### Tutors:

Professor Lise Øvreås, Department of Biological sciences

Dr. Nachiket Marathe, Institute of Marine Research

### Research group:

Marine microbiology

Do you want to do your master's thesis on antibiotic resistance in collaboration between Institute of Marine Research (IMR) and University of Bergen (UiB)?



We have a master's project in microbiology connected to the Norwegian Research Council (NRC) funded Res-Marine project (<https://www.tv2.no/a/11567134/>), that aims understanding the role of the marine environment in dissemination and emergence of antimicrobial resistance (AMR). The student will carry out isolation of one of the ESKAPE pathogens from waste water, marine sediments and water samples, carrying out antibiotic susceptibility testing. The tasks would also include learning DNA sequencing and analysis of whole genome sequences. If interested contact Prof. Lise Øvreås (UiB, E-mail: [Lise.Ovreas@uib.no](mailto:Lise.Ovreas@uib.no)) or Dr. Nachiket Marathe (IMR, E-mail: [nachiket.marathe@hi.no](mailto:nachiket.marathe@hi.no)) for further details.