

Topic/Title

En global folketelling av mikrobiomet Atlantic Salmon

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A global census of the Atlantic Salmon microbiome

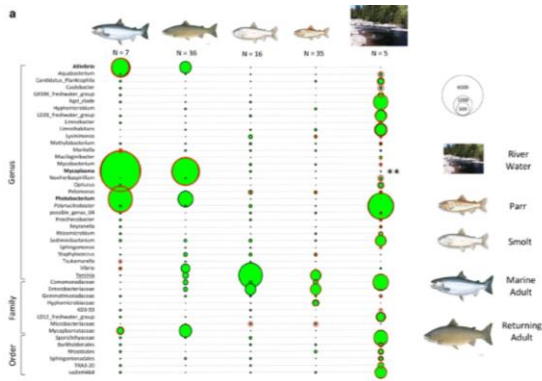


Figure 1. Preliminary studies on the biogeography of Atlantic salmon microbiome. Image credit <https://doi.org/10.1038/ismej.2015.189>

Summary

A vast number of studies have focused on describing the microbial communities in and on Atlantic salmon at different life stages, different production systems, different diet and different degrees of health. To fully understand the potential for holobiomics in Atlantic salmon, a large scale global census is needed. A database of 16S rRNA sequences on over 1000 Atlantic salmon from all over the world has been compiled. The candidate will develop skills in bioinformatics and statistics to manipulate 16S rRNA sequences and describe the factors driving variation in the Atlantic salmon microbiome. Skills in R programming are a necessity.

Subject area

Phenomics, Microbiome, 16S rRNA, Holobiomics

Language thesis

English

Bachelor or Master thesis

Master thesis

Credits

30 or 60 credits depending on top candidates needs

Project/company

Collaboration between NOFIMA and NMBU

Please contact

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