

# Biology Seminar

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### Responses of aquatic communities and ecosystem function to environmental change

Freshwater ecosystems provide many goods and services valued by human societies. However, anthropogenic impacts such as habitat change and the alteration of species distributions are eroding the capacity of natural ecosystems to perform many of those functions. Research in the Hoeinghaus Lab examines responses of aquatic communities and ecosystems to environmental change. Next-gen biodiversity – ecosystem function experiments yield insight into how realistic alterations in biodiversity and food-web structure affect stream ecosystem function. Predictive models incorporating species traits provide a framework to relate experimental findings to real watersheds, and may help identify conservation priorities.

