



Einladung

zu dem am Donnerstag, dem 07. November 2024, ab 15 Uhr
im Kurt-Alder-Hörsaal,
Greinstraße 4, 50939 Köln

stattfindenden öffentlichen

wissenschaftlichen Habilitationsvortrag

Institut für Zoologie

(Fach: Zoologie)

von

Dr. Kristin Scharnweber

über das Thema

Polyunsaturated fatty acids as structuring factors of aquatic food webs

Besides the important macronutrients (i.e., carbon, nitrogen, and phosphorus), consumers are highly reliant on complex organic compounds, such as polyunsaturated fatty acids (PUFAs). These biochemical compounds are parts of lipids and play major functional and structural roles in cell membranes, and many other physiological processes. Aquatic consumers, such as freshwater fish are facing the challenge to meet their physiological need despite a heterogenous distribution of PUFAs in their environment. They can either acquire food sources rich in a given PUFA, or invest in the internal synthesis to obtain the molecule from more accessible dietary precursors. I will illustrate the resource acquisition -synthesis trade-off using the ecotype-system of Eurasian perch as an example.

G. Bareth
Dekan