

Einladung zum Vortrag
im Rahmen des gemeinsamen Kolloquiums des Instituts für Biologie und
Umweltwissenschaften und des Departments für Neurowissenschaften

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The control of songbird migration: A complex interplay of intrinsic and extrinsic factors

Many migratory birds migrate exclusively at night and on their own. Even the young birds, which are thus travelling for the first time to their wintering grounds thousands of kilometres away, are not guided by their parents or other conspecifics. This illustrates that an innate migration programme "tells" the birds when, how long and in which direction they have to migrate to reach their species-specific wintering grounds. However, this alone is not enough, as migratory birds are also genetically predetermined how to optimally react to their changing physical condition (energy reserves), to varying environmental conditions (wind, precipitation) and to unknown landscapes (mountains, oceans, deserts) in order to successfully continue the journey. In the course of the lecture, the mechanisms that control the migratory behaviour of songbirds, using the northern wheatear *Oenanthe oenanthe* as an example, will be explained.

02.02.2021, 16 Uhr s.t.

virtual room: <https://meeting.uol.de/b/gab-t5m-nmo-kvi>

Gastgebend: Prof. Dr. Gabriele Gerlach (AG Biodiversität und Evolution der Tiere), IBU

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