

## Research Project

### The role of DNA methylation in mating season decisions in a wild fish species

#### Third-party funded project

**Project title** The role of DNA methylation in mating season decisions in a wild fish species

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**Organisation / Research unit**

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**Department**

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In the mating season, round goby males can adopt either of two behaviors. They can either become territorial males, which guard a nest, court females, and care for their eggs, or they remain non-territorial.

This behaviour can be identified in many goby species. However, it is to date unclear whether the choice taken reflects earlier life experiences or is a on-the-spot decision reflecting nest site availability.

To identify whether males before the mating season are pre-destined for one or the other behaviour, we investigate DNA methylation patterns in the hypothalamus of non-territorial, territorial, and pre-mating-season males.

**Financed by**

Foundations and Associations

University of Basel

**Add publication**

**Add documents**

**Specify cooperation partners**

ID	Kreditinhaber	Kooperationspartner	Institution	Laufzeit - von	Laufzeit - bis
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