

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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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.

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Foundations and Associations

University of Basel

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ID	Kreditinhaber	Kooperationspartner	Institution	Laufzeit - von	Laufzeit - bis
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