



Seminar(i)

Costs, conflicts and evolutionary consequences of developmental plasticity in amphibians

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Selection in heterogeneous environments often favors the evolution of adaptive plasticity. However, natural systems are often quite complex, and organisms are exposed to multiple environmental stimuli simultaneously, which may hamper organisms' ability to respond to some of them, or even elicit conflicting phenotypic responses. In addition, the maintenance and activation of plastic phenotypic responses could come at the expense of physiological costs which could be affecting how plastic responses evolve. We study phenotypic plasticity in larval amphibians to understand how tadpoles adjust their development and physiology in response to various changes in their environmental conditions, exploring the outcome of simultaneous exposure to different factors. We are also interested in exploring the evolutionary consequences of developmental plasticity for life history and genomic architecture of amphibian species.

WHERE? Seminar room – SS6

(Institutes building floor -1)

WHEN? Thursday 31/10/2019 – 12:00 h

LANGUAGE? English