

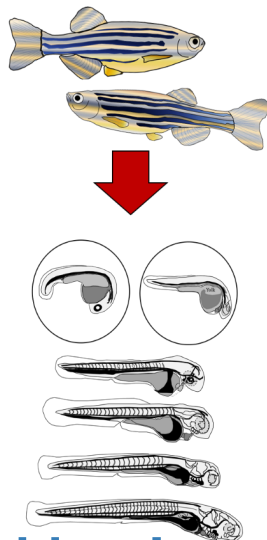


Transgenerational Responses to Environmental Stressors in Fish and Birds: From Organisms to Molecules

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The framework known as the Extended Evolutionary Synthesis has brought back ideas and answers from early philosophers and scientists. These ideas are being recently factored into, among other fields, comparative integrative studies aimed at understanding the role of epigenetics on short-term intragenerational and intergenerational organismal responses to variable environments (natural or anthropogenic). Whether adaptive or maladaptive, those responses are trans-generationally transferred by means of epigenetic molecular signals that influence the expression of genes, leading to a discernible variation of responses exhibited from cellular to the behavioral phenotypic traits that influence individual survival and fitness. In this seminar I explore transgenerational responses to crude oil exposure in fish and birds under a multi-scale approach.



Friday January 17th at 13.15

Seminar room at Zoophysiology (1131-127)