



Behavioural adaptations to changing (social) environments

Seminary | Friday 8th of november at 10:30
| EDB Seminary room (Bât 4R1 - Paul Sabatier University Campus)

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“Social behaviour receives broad interest as most animals live in social environments, their lives affected by others. Given the complexities of social evolution we have limited understanding of the environmental and social factors that determine individual fitness in wild populations. However, recent advances in molecular and statistical techniques have contributed to what we know about social behaviour. I focus on how social interactions of cooperative behaviours influence the expression of individuals’ parenting and helping behaviour, and the consequences this has for their lifetime fitness. The Seychelles warbler provides a system in which comprehensive long-term data on the constitution of

breeding groups (dominants, co-breeders, (non-)helpers), relatedness between individuals and accurate measures of lifetime reproductive success have been collected across environments. This enables elucidating factors driving the evolutionary dynamics of social systems and to gain insight into selection on individual behaviour to allow adaptation to changing (social) environments.”



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