

How can we use genomics to inform biodiversity conservation under global change?

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Climate change will produce a range of new selection pressures forcing many species to move in search of suitable conditions or adapt. Research carried out in my group integrates genomic tools with ecological and geographic data and modelling approaches to assess and predict how climate and land-use changes affect biodiversity. We focus on bats as important ecosystem components and potential indicators of the state of the environment and other biodiversity. In my talk I will highlight the importance of incorporating adaptive variation, movement processes and biotic interactions when assessing biodiversity vulnerability to global environmental changes and informing adaptive conservation management.

