



PLENARY LECTURES

CAUSES AND CONSEQUENCES OF HYBRIDIZATION – FROM BEHAVIOUR TO EVOLUTION

Tobias ULLER

Department of Biology, Faculty of Science, Lund University, Sweden, Email: tobias.uller@biol.lu.se

Geographic patterns of genetic and phenotypic variation demonstrate that hybridization is common in animals. But rarely do we understand how those patterns come about. Our work on common wall lizards addresses this in detail, connecting individual behavior to evolutionary processes. In this talk, I will focus on (i) how phenotypic divergence in allopatry shapes individual interactions following secondary contact, (ii) what this means for the patterns of hybridization, and (iii) the implications of hybridization for genetic and phenotypic diversity in native and non-native populations of wall lizards. The results demonstrate an important role for sexual selection and suggest rapid displacement of phenotypes following secondary contact.