



ECM 2011

VIth European Congress of Mammalogy

Université P. et M. Curie - Muséum national d'Histoire naturelle

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4a. Shrews, chromosomes and speciation

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Speciation and the contributions of chromosome variation, genetic differentiation, phylogeography, and phenotypic adaptation is a topic of increasing interest and complexity. This session focuses on the remarkable common shrew, *Sorex araneus*, which is subdivided into nearly 70 geographically localized karyotypic races spread from Britain in the west across Siberia in the east with varying levels of genetic and morphological differentiation, different levels of gene flow among races, and different phylogeographic histories. The common shrew has been a focus of study for several decades. The session will bring together experts in speciation and will contribute to the synthesis of long-term research on the chromosomal, genetic, morphological, ecological, and historical pattern of divergence.