

Encadrement :

Nom :Royle	Prénom : Nicholas	Qualité :lecturer in Behavioural Ecology	Tel :+44 (0) 1326 371825
Laboratoire /Entreprise :	Daphne du Maurier,	Centre for Ecology and Conservation,	College of Life and Environmental Sciences
Adresse :	University of Exeter,	Cornwall Campus,	TR10 9EZ, UK
Courriel :	N.J.Royle@exeter.ac.uk		

Titre du stage :

Coevolution of mating behaviour and parental care behaviour in the burying beetles

Mots clés :

behaviour, parental care, confidence in paternity

Résumé (150 mots maximum) :

Selection lines of *Nicrophorus vespilloides* have been selected on repeated mating rate. This is to examine the potential co-evolution of mating behaviour and parental care behaviour in the beetles. Repeated mating increases confidence of paternity in males.

The aim is to know if selection for increased confidence in paternity will also lead to increased parental care by males. The study consists of examining mate choice within and between the selection lines, to see if female choice drives the co-evolution of mating and parental care traits.

Deux références bibliographiques:

Craig A. Walling, Clare E. Stamper, et al. 2008, The quantitative genetics of sex differences in parenting

Clarissa M. House, et al. 2008, The evolution of repeated mating in the burying beetle, *nicrophorus vespilloides*, The Society for the Study of Evolution Evolution 62-8: 2004–2014