



CONFÉRENCE

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donne une conférence intitulée

The parthenogenetic ant  
*Cerapachys biroi* as a new  
model system for social  
evolution and behaviour

Le jeudi 11 juillet 2013 à 10h

Amphithéâtre Euler - Institut Galilée  
Université Paris 13  
Campus de Villetaneuse

## **Abstract**

In social insects, developmental trajectories, adult physiology and individual behavior are highly dynamic and contingent upon the social environment. A major challenge is to understand how the social environment is perceived by an individual, how the social environment interacts with an individual's genome to govern gene expression, how this affects individual physiology and behavior and how the altered individual state in turn feeds back into the social environment of the colony. To address these questions, researchers in the Kronauer lab use molecular genetic techniques, experimental manipulations and quantitative behavioral assays under controlled laboratory conditions.