

Tuesday August 25 **Symposium 2**

*Location: Room 2*

## **From the selfish gene to species extinction: levels of selection in evolution**

Organizers: *Daniel J. Rankin, University of Bern, Switzerland*  
*Kevin R. Foster, Harvard University, Cambridge, United States*

09.45 - 10.15 SAMIR OKASHA (invited)  
The Levels of Selection Question: some Philosophical Perspectives

10.15 - 10.45 DAVID S. WILSON (invited)  
Truth and reconciliation for group selection

10.45 - 11.15 *Coffee break*

11.15 - 11.35 JAN ENGELSTÄDTER  
Quantifying species-level selection for sexual reproduction in aphids

11.35 - 11.55 LISELOTTE SUNDSTRÖM  
Are you my mother ? Kin recognition in the ant *Formica fusca*

11.55 - 12.15 DAVID R. NASH  
Levels of selection across the mutualism-parasitism border

12.15 - 12.35 LEONARD NUNNEY  
Levels of selection in the age of genomics

12.35 - 13.35 *Lunch*

13.35 - 13.55 HYWEL T.P. WILLIAMS  
Community-level selection in simulated microbial ecosystems

13.55 - 14.15 HENRIK H. DE FINE LICHT  
From so simple a beginning: Enzymatic innovation in *fungus*-growing ants involved a transition from individual symbiont selection to colony-level selection

14.15 - 14.35 HEIKKI HELANTERÄ  
Interaction between kin selection and population selection in ant supercolonies

14.35 - 14.55 DANIEL J. RANKIN  
Is species level selection a major force in evolution ?

14.55 - 15.25 *Coffee break*