



INSTITUTE for  
ADVANCED  
S T U D Y in  
TOULOUSE



**LERNA**  
Laboratoire d'Economie  
des Ressources Naturelles

# The Toulouse Economics and Biology Workshop

Thursday 23 May and Friday 24 May, 2013

organized by  
Ingela Alger and Jörgen Weibull

**Manufacture des Tabacs – S Building – Room MS001**  
1 rue des Amidonniers – 31015 Toulouse Cedex 06 – France



# Thursday 23 May, 2013

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**08:30-08:50**      **Welcome Coffee**      **(Hall S Building)**

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*Morning session*

**Chair: François Salanié**

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**08:50-09:00**      **Opening**  
**Ingela Alger** (*TSE, CNRS, LERNA and IAST*)

**09:00-10:00**      **Étienne Danchin** (*Évolution et Diversité Biologique, Toulouse*)  
Information & inheritance – multiple mechanisms of inheritance of behavior

**10:00-11:00**      **Colin Camerer** (*California Institute of Technology*)  
Important biological principles for economics, illustrated by game theory data

**11:00-11:30**      **Coffee Break**      **(MS 002)**

**11:30-12:30**      **Peyton Young** (*University of Oxford*)  
Rapid innovation diffusion with local interaction

**12:30-14:00**      **Lunch**      **(MS 002)**

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*Afternoon session*

**Chair: Michael Hochberg**

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**14:00-15:00**      **Isabelle Brocas** (*University of Southern California*)  
A neuroeconomic theory of self-control

**15:00-16:00**      **Arthur Robson** (*Simon Fraser University*)  
A biological theory of social discounting

**16:00-16:30**      **Coffee Break**      **(MS 002)**

**16:30-17:30**      **Hanna Kokko** (*Australian National University*)  
Is Mother Nature shortsighted?

**17:30-18:30**      **Ernst Fehr** (*University of Zürich*)  
Intergroup conflict and reciprocity are mutually reinforcing – an empirical study of the ultimate origins of human altruism

**19:30**      **Dinner (by invitation only)**

# Friday 24 May, 2013

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**08:30-09:00**      **Welcome Coffee**      **(Hall S Building)**

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*Morning session*

**Chair: Paul Seabright**

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**09:00-10:00**      **Alan Grafen** (*University of Oxford*)  
Game theory and biology: interactions

**10:00-11:00**      **Ted Bergstrom** (*University of California Santa Barbara*)  
Models of assortative matching

**11:00-11:30**      **Coffee Break**      **(MS002)**

**11:30-12:30**      **François Rousset** (*Institut des Sciences de l'Évolution, Montpellier*)  
Understanding the fitness of social traits, an approach through examples

**12:30-14:00**      **Lunch (MS002)**      **and**      **Poster Session (MS003)**

**Andrei Akhmetzhanov** (*Université Montpellier 2*)

Effects of locality and mixing in threshold models of social behavior

**Tamàs David-Barrett** (*University of Oxford*)

Solution to the collective action paradox within a behavioural synchrony framework

**Samuel Häfner** (*University of Basel*)

Stable Stochastic signal best response dynamics

**Leanna Mitchell** (*Simon Fraser University*)

Endogamy and human evolution: causes and consequences of fitness depression during the Pleistocene

**Erik Mohlin** (*University of Oxford, Nuffield College*)

Co-evolution of cognition and preferences: A model with direct manipulation of beliefs

**Nikolaus Robalino** (*Simon Fraser University*)

The evolution of "theory of mind"

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*Afternoon session*

**Chair: Manfred Milinski**

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**14:00-15:00**      **Lena Edlund** (*Columbia University*)  
On the road – gender and migration in China

**15:00-15:30**      **Coffee Break**      **(MS002)**

**15:30-16:30**      **Jean Clobert** (*Station d'Écologie Expérimentale du CNRS, Moulis*)  
Information and spatial ecology

**16:30-17:30**      **Ingela Alger** (*TSE, CNRS, LERNA and IAST*) and  
**Jörgen Weibull** (*Stockholm School of Economics and IAST*)  
Homo moralis – preference evolution under incomplete information and assortative matching

**19:30**      **Dinner (by invitation only)**