



SAID BUSINESS SCHOOL, University of Oxford

## SEMINAR SERIES / HILARY 2011

Convenors: Felix Reed-Tsochas, Institute for Science, Innovation and Society,  
Saïd Business School  
Eduardo López, Saïd Business School

For further information please contact the Cabdyn Administrator:

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Seminar webpage:  
[www.cabdyn.ox.ac.uk/complexity\\_seminars.asp](http://www.cabdyn.ox.ac.uk/complexity_seminars.asp)

Coffee, tea and snacks will be provided

Please note: although the seminar programme detailed was correct at time of printing, seminar arrangements are subject to change - for the latest information, please check the seminar webpage.

**Tuesday 1<sup>st</sup> February**  
(2.30pm - 4.00pm) James Martin Seminar Room

**Dr Ashleigh S. Griffin**  
Royal Society Dorothy Hodgkin Research Fellow,  
Department of Zoology, University of Oxford

### 'Patterns of cooperative behaviour in bacteria and birds'

#### ABSTRACT

Cooperation presents a challenge for the Darwinian understanding of how natural selection operates: why help others when you could help yourself? However, the success of cooperative societies can be seen all around us, and throughout nature - how can we explain the evolution of cooperative societies, and how are they maintained in the face of exploitation and cheating? I have tackled these issues in my research using experimental evolution in bacteria and analyses of cooperative behaviour in birds. In my talk, I will describe insights that have come from these two very different approaches and finish with describing clinical applications of my work to the treatment of bacterial infection.

