

New trends in evolutionary biology: biological, philosophical and social science perspectives

Monday 7 – Wednesday 9 November 2016 | The Royal Society, London

Organised in partnership with the British Academy by Professor Denis Noble CBE FMedSci FRS, Professor Nancy Cartwright FBA, Professor Sir Patrick Bateson FRS, Professor John Dupré and Professor Kevin Laland



THE
ROYAL
SOCIETY

Monday 7 November 2016

SESSION 1		SESSION 2	
09.00	Welcome by the Royal Society and Denis Noble FRS		
09.15	Gerd Müller The extended evolutionary synthesis	13.50	Tobias Uller Heredity and evolutionary theory
09.45	Discussion	14.20	Discussion
09.55	Douglas Futuyma Do we really need to extend the MS?	14.30	John Dupré The ontology of evolutionary process
10.25	Discussion	15.00	Discussion
10.35	Coffee	15.10	Tea
11.05	Sonia Sultan Developmental plasticity: re-conceiving the genotype	15.40	Paul Brakefield FRS Does the way in which development works bias the paths taken by evolution?
11.35	Discussion	16.10	Discussion
11.45	Russell Lande Evolution of phenotypic plasticity	16.20	Kevin Laland The middle ground between artificial and natural selection: niche construction as developmental bias
12.15	Discussion	16.50	Discussion
12.25	LUNCH	17.00	CLOSE

Tuesday 8 November 2016

SESSION 3		SESSION 4	
09.00	Welcome by Denis Noble FRS		
09.05	James Shapiro Biological action in Read-Write genome evolution	13.50	Denis Noble FRS Evolution viewed from medicine and physiology
09.35	Discussion	14.20	Discussion
09.45	Paul Griffiths Genetic, epigenetic and exogenetic information in development and evolution	14.30	Andy Gardner Anthropomorphism in evolutionary biology
10.15	Discussion	15.00	Discussion
10.25	Coffee	15.10	Tea
10.55	Eva Jablonka The role of epigenetic inheritance in evolution	15.40	Patrick Bateson FRS Adaptability and evolution
11.25	Discussion	16.10	Discussion
11.35	Greg Hurst Extended genomes: symbiosis and evolution	16.20	Round table discussion Andy Gardner, Marcus Feldman, Tobias Uller, Douglas Futuyma
12.05	Discussion		
12.15	LUNCH	17.00	CLOSE

Wednesday 9 November 2016

SESSION 5		SESSION 6	
09.00	Welcome by Denis Noble FRS		
09.05	Samir Okasha Evolution and the metaphor of agency	13.50	Andrew Whiten A second inheritance system: the extension of biology through culture
09.35	Discussion	14.20	Discussion
09.45	Karola Stotz Developmental niche construction	14.30	Susan Antón Human evolution, niche construction and plasticity
10.15	Discussion	15.00	Discussion
10.25	Coffee	15.10	Tea
10.55	Tim Lewens Human nature, human culture: the case of cultural evolution	15.40	Melinda Zeder Domestication: a model system for evolutionary biology
11.25	Discussion	16.10	Discussion
11.35	Agustín Fuentes Human niche, human behaviour, human nature	16.20	Round table discussion Robert Foley, Christina Toren, Melinda Zeder, Tim Lewens, Eva Jablonka
12.05	Discussion		
12.15	LUNCH	17.00	CLOSE

Draft programme – subject to change – correct as of 03/10/16