

RESEARCH CONFERENCES

ESF-COST High-Level Research Conference

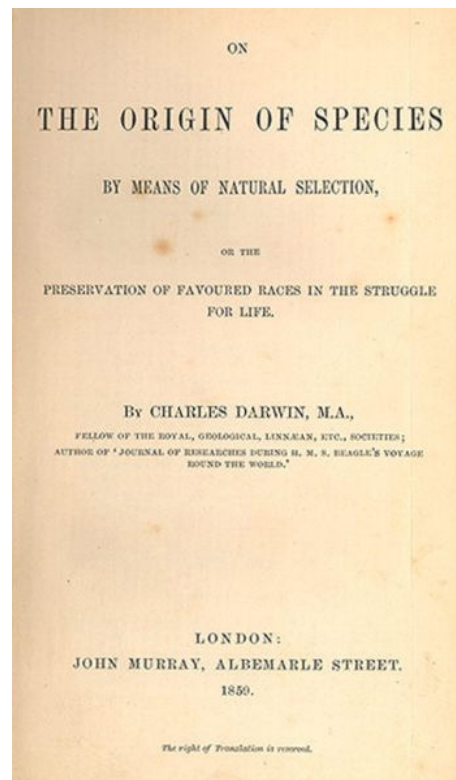
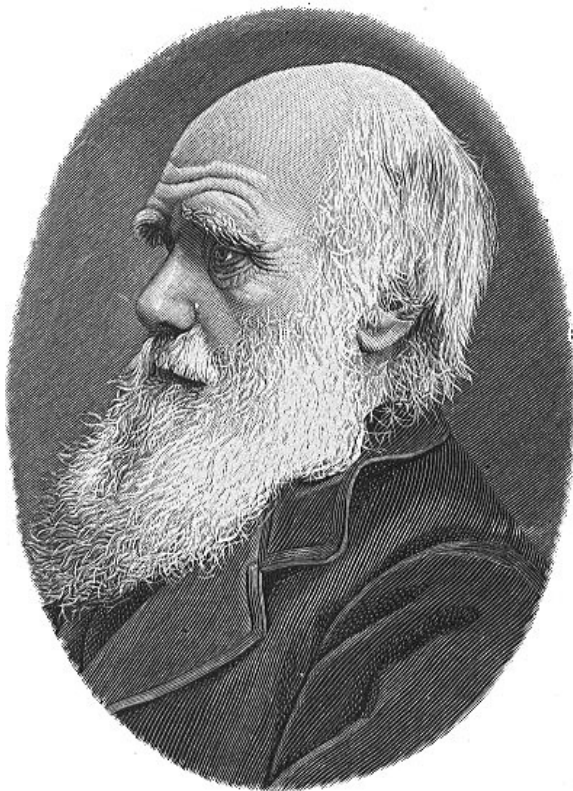
**Complex Systems and
Changes -
Darwin and Evolution:
Nature-Culture Interfaces**

Hotel Eden Roc, Sant Feliu de Guixols, Spain

15-20 September 2009

Co-Chairs: **Roland Pochet**, Université Libre de Bruxelles, BE, **Alain Peyraube**, CNRS and EHESS, FR
Programme Committee: **Reinhart Ceulemans**,
Universiteit Antwerpen, BE, **János László**, Hungarian
Academy of Sciences, HU, **Martin Stokhof**, Universiteit
van Amsterdam, NL

www.esf.org/conferences/09309



Final Programme

Tuesday 15 September

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|----------------------------------|-----------------------------------|
| Late afternoon/ early evening | Registration at the ESF-COST desk |
| 19.30 | Welcome Drink |
| 20.30 | Dinner |

Wednesday 16 September

The “Evolution” of Darwin’s Theory

Chair: **Roland Pochet**, Université Libre de Bruxelles, BE

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|-------------|---|
| 08.30-08.45 | Conference Opening |
| 08.45-09.30 | Luis Campos Drew University, US <i>The Many Lives of Darwinism</i> |

Roundtable 1: Filling the Cultural Gap

Moderator: **Annick Lesne**, IHES, FR

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|-------------|---|
| 09.30-09.35 | Arcadi Navarro i Cuartiellas Institut de Biologia Evolutiva (IBE), ES |
| 09.35-09.40 | Steven Rose The Open University, UK |
| 09.40-09.45 | Csaba Pléh Hungarian Academy of Sciences (HAS), HU |
| 09.45-10.45 | Audience Discussion |

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| 10.45-11.15 | Coffee break |
| 11.15-12.00 | Steven Rose The Open University, UK <i>From Dobzhansky’s Dictum to Developmental Systems Theory</i> |
| 12.00-12.45 | Jaume Bertranpetit Universitat Pompeu Fabra, ES <i>Natural Selection in the XXIst Century: What Do We Have That Is Really New?</i> <i>Visions from Molecular Genetics and Complexity</i> |
| 12.45 | Lunch |
| 14.00-14.45 | Bryan Clarke The University of Nottingham, UK <i>When It Pays to Be Different</i> |

Roundtable 2: Is There a “Neo-Darwinism”?

Moderator: Annick Lesne, IHES, FR

- 14.45-14.50 **Jaume Bertranpetit**
Universitat Pompeu Fabra, ES
- 14.50-14.55 **Antoine Danchin**
Amabiotics, FR
- 14.55-15.00 **Luis Campos**
Drew University, US
- 15.00-16.00 Audience Discussion
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16.00-16.30 Coffee break

Short talks

- 16.30-16.45 **Susanna Badalyan**
Yerevan State University, AM
Evolution and Phylogenetic Relationships in Fungal Organisms
- 16.45-17.00 **Flavio D’Abramo**
University of Rome, La Sapienza, IT
D’Arcy Thompson, Charles Darwin and Complex Systems
- 17.00-17.15 **Davinder Grover**
Punjab Agricultural University, IN
Heritability for Income, Wealth and Other Economic Phenotypes
- 19.00 Dinner

Thursday 17 September

Nature-Culture Interfaces 1

Chair: Alain Peyraube, CNRS and EHESS, FR

- 09.00-09.45 **Vinciane Despret**
University of Liège, BE
Darwin’s Choice Of Our Ancestor: Heroic Monkeys, Ugly Primates and Problematic Early Man
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Roundtable 3: What Is a Phenotype?

Moderator: Biljana Stojkovic, University of Belgrade, CS

- 09.45-09.50 **Luis Campos**
Drew University, US
- 09.50-09.55 **Hans Liljenström**
Swedish University of Agricultural Sciences, SE
- 09.55-10.00 **Christine Heller del Riego**
Comillas University, ES
- 10.00-11.00 Audience Discussion
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11.00-11.30 Coffee break

- 11.30-12.15 **Eric Green**
National Human Genome Research Institute, National Institutes of Health (NIH), US

Comparative Genome Sequencing: Using Evolution to Decode the Human Genome

Short talks

12.00-12.15

Bryan Clarke

The University of Nottingham, UK

The Frozen Ark Project

12.15-12.30

Jeffrey Hard

Northwest Fisheries Science Center, US

Unnatural Selection: Human-induced Evolution in Exploitation of Wild Populations

12.30

Lunch

14.00-14.45

Dan Sperber

EHESS/ ENS/ CNRS, FR

How Culture Evolves

Short talks

14.45-15.00

Mukund Kajale

Deccan College Postgraduate & Research Institute (Deemed University), IN

Understanding Evolutionary Development of Ancient Indian Biodiversity with Special Reference to the Culture Plants

15.00-15.15

Aliakbar Kiani

University of Tehran, IR

Using Darwin's Theory to Describe Emerging and Disappearance of Powers in Global Politics

15.15-15.45

Coffee break

15.45-17.45

Poster session 1

20.00

Dinner

Friday 18 September

Nature-Culture Interfaces 2

Chair: János László, Hungarian Academy of Sciences, HU

09.00-09.45

Csaba Pléh

Hungarian Academy of Sciences, HU

Evolutionary Psychology: The Nature-Culture Interface

09.45-10.30

Heather van der Lely

University College London, UK

Genes, Language and Specific Language Impairment: An Evolutionary Backwards Step?

10.30-11.00

Coffee break

11.00-12.00

Poster session 2

12.00

Lunch

Afternoon

Half-day excursion

19.00

Dinner

Saturday 19 September

Complex Systems

Chair: Jacques Haiech, University of Strasbourg, FR

- 09.00-09.45 **Antoine Danchin**
Amabiotics, FR
Natural Selection and Maxwell's Demon
- 09.45-10.30 **Miloš Judaš**
University of Zagreb, HR
Evolution and Development of Uniquely Human Brain: Life History Framework
- 10.30-11.00 Coffee break

Chair: Roland Pochet, Université Libre de Bruxelles, BE

- 11.00-11.45 **Hans Liljenström**
Swedish University of Agricultural Sciences, SE
Evolving Complexity, Cognition, and Consciousness
- 12.30 Lunch
- 14.30-15.15 **Allen Orr**
University of Rochester, US
Genetics and the Origin of Species
- 15.15-16.00 **Arcadi Navarro i Cuartiellas**
Institut de Biologia Evolutiva, ES
Genoeconomics: A New Perspective on Human Evolution
- 16.00-16.30 Coffee break

16.30-17.45 **General Discussion, Conclusions and Forward Look**
Moderator: Jacques Haiech, University of Strasbourg, FR

20.00 Get-together & Conference Dinner

Sunday 20 September

Breakfast & Departure