

# The Mathematics of Darwin's Legacy

*I think*

#### Organizing Scientific Committee:

**Fabio Chalub**, Universidade Nova de Lisboa  
**Peter Jagers**, Chalmers University, Gothenburg  
**Eva Kisdi**, University of Helsinki  
**José Francisco Rodrigues**, Universidade de Lisboa

#### Invited Speakers

**Reinhard Buerger** (U. Vienna, AT)  
Mathematical Models in Evolutionary Genetics.

**Warren J. Ewens** (U. Pennsylvania, USA)  
What changes have mathematics and genetics made to the Darwinian theory?

**Mats Gyllenberg** (U. Helsinki, FI)  
Optimisation principles in evolution.

**Vincent Jansen** (Royal Holloway, UK)  
On group and kin selection.

**Sylvie Méléard** (E. Polytechnique, FR)  
Polymorphic trait substitution sequence and evolutionary branching.

**Hans Metz** (U. Leiden, NL)  
The Geometry of Macro-evolution:  
links between Adaptive Dynamics and Evo-Devo.

**Masayasu Mimura** (Meiji U., JP)  
Secrets in biological systems.

**Jorge Pacheco** (U. Minho and U. Lisbon, PT)  
The Evolution of Group Cooperation.

**Benoit Perthame** (U. Paris, FR)  
Adaptive evolution: a population view.

**Peter Schuster** (U. Vienna, AT)  
The mathematics of Darwin's theory of evolution  
-1859 and 150 years later.

**Peter Taylor** (Queens U., CA)  
Homogeneous population structure: putting the "inclusive" into inclusive  
fitness and then taking it out again (and rescuing Darwin from the mud).

**Franjo Weissing** (U. Groningen, NL)  
The dynamics of sexual selection.

23-24 November 2009

Lisbon, Portugal

<http://www.cim.pt/Darwin2009>

Venue:

Universidade de Lisboa/  
Complexo Interdisciplinar  
<http://www.ciul.ul.pt>

Poster submission:  
deadline 31st October

