

# THE EVOLUTIONARY ECOLOGY OF PLANT-ANIMAL INTERACTIONS: from genes to communities

Gran hotel, Fundacio "la Caixa", Palma de Mallorca

21-23 April 2008

## April 21, 2008

9:00 *Reception participants*

10:00 **JOHN N THOMPSON**, University of California, Santa Cruz, USA  
"Cryptic Speciation and the Geographic Mosaic of Coevolution"

11:00 *coffee break*

11:30 **JOSE M GOMEZ**, Universidad de Granada  
"Geographic mosaic of evolution in a pollination-generalized system"

12:00 **RODRIGO MEDEL**, Universidad de Chile  
"Temporal and spatial dynamics of natural selection in geographic mosaics"

12:30 **KENNETH WHITNEY**, Rice University, Texas  
"Hybridization and adaptation to herbivores in wild sunflowers"

13:00 students' talk

13:15 students' talk

14:00 *lunch break*

16:00 **CLARA CASTELLANOS**, Centro de Investigaciones sobre Desertificación, Valencia  
"Extreme cases of pollinator-mediated floral evolution: pollinator shifts in *Penstemon* and other genera"

16:30 **MIGUEL RODRIGUEZ-GIRONES**, EEZA, CSIC, Almería  
"The evolution of floral traits: pollinator attraction or parasite avoidance?"

17:00 **LARS CHITTKA**, London University  
"Perception of flowers by pollinators"

17:30 *coffee break*

18:00 **KAILEN A. MOONEY**, University of California, Irvine  
"Plant genetic effects on arthropod community structure"

18:30 *poster session*

20:00 Reception by Palma de Mallorca's Headquarters

### **April 22, 2008**

9:30 **ISABELLE OLIVIERI**, Université de Montpellier  
"What can we learn from the comparative population structure of interacting species and traits within a species?"

10:30 *coffee break*

11:00 **SCOTT ARMBRUSTER**, University of Portsmouth, UK  
"The evolutionary interface between plant-pollinator and plant-herbivore interactions in *Dalechampia* vines, Euphorbiaceae)"

11:30 **JOHAN EHRLÉN**, Stockholm University  
"The role of plant-animal interactions in divergence after plant polyploidization"

12:00 **LUIS NAVARRO**, Universidad de Vigo  
"Ecological and evolutionary implications of nectar robbing in flowering plants"

12:30 **JON ÅGREN**, Uppsala University  
"Context-dependent selection on floral traits"

13:00 students' talk

13:15 students' talk

13:30 students' talk

13:45 students' talk

14:00 *lunch break*

16:00 **EUGENE SCHUPP**, Utah State University  
"The context dependence of seed dispersal success and constraints on the evolution of specialized seed dispersal systems"

16:30 **MARTIN SCHAEFER**, University of Freiburg  
"Phenotypic correlations among reproductive and vegetative parts maintain signal honesty in plant-animal interactions"

17:00 **ALFREDO VALIDO**, Estación Biológica de Doñana  
"Evolution of fleshy-fruit characteristics: a mainland-island comparison"

17:30 *coffee break*

18:00 **PEDRO REY**, Universidad de Jaén  
"Selective conflicts on seeds. Fitting the evolutionary potential of dispersal in plant's life cycle"

18:30 **MANUEL NOGALES**, IPNA, CSIC, Tenerife  
"Secondary seed dispersal systems, frugivorous lizards and predatory birds in insular environments"

19:00 *poster session*

21:00 *Conference dinner*

### **April 23, 2008**

9:00 **ANTHONY IVES**, University of Wisconsin, Madison  
"Phylogenetic patterns in community structure and trophic associations"

10:00 **JORDI BASCOMPTE**, Estación Biológica de Doñana  
"The structure and robustness of mutualistic networks"

10:30 *coffee break*

11:00 **JENS M. OLESEN**, University of Aarhus, Dinamarca  
"The substructure of pollination networks"

11:30 **PEDRO JORDANO**, Estación Biológica de Doñana  
"Ecological and phylogenetic correlates of interaction in mutualistic networks"

12:00 **SHARON STRAUSS**, University of California, Davis  
"Evolution of plant traits in a community context"

12:30 **ALFONSO VALIENTE**, Universidad Autónoma de México  
"Ecological and evolutionary patterns of plant-animal interactions in columnar cactus forests"

13:00 student's talk

13:15 student's talk

13:30 student's talk

13:45 student's talk

14:00 *SYMPOSIUM'S CLOSURE*