Workshop: Comparative methods in evolutionary biology

Stazione Zoologica Anton Dohrn, December 5th-7th, 2016

Day 1
✔ Introduction to the use of phylogeny in comparative methods
✔ Likelihood and bayesian inference methods
✔ Theory on molecular clocks
✔ Tutorials on relaxed clocks using Beast 1.8
✔ Introduction to R

Day 2
✔ Tutorial on total-evidence dating using Beast 2.3
✔ Introduction to the use of remote servers (Cipres) for phylogenetic analyses
✔ Tutorial on comparative methods for exploring the evolution of discrete and continuous characters

Day 2
✔ Theory and approaches to the study of adaptive radiations
✔ Tutorials on comparative methods for detecting and quantifying heterogeneity in evolutionary rates (BAMM)

Registration fees: 100€ (fees include lunches); special price at 50€ for students enrolled at the Universities of Naples (Federico II and Partenopea) with no lunch included

Participants: this workshop is preferentially addressed to PhD students, postdocs and researchers with basic knowledge of phylogeny (sequence alignments, nucleotide substitution models and basic tree building). Max number 25

Tutors:
Francesco Santini
Associazione Italiana per lo Studio della Biodiversità (Italy)

Bruno Frédéric
University of Liège (Belgium)

Organisers:
Sergio Stefanni
Salvatore D'Aniello
Giuseppe Orfano
Andrea Tarallo

Registration deadline is November 15th at:
sergio.stefanni@szn.it

Please include a few lines on your background, level of confidence with R and Beast/Beauty, expectations from this workshop.

People will be admitted to the course following application review by the admissions committee.