

## Advances Research in Biological evolution

### Call for Papers

Evolution derived from Latin “evolution”, its original meanings is “develop”. In 1762, Bonnet firstly applied this word into Biology. The basic unit of biological evolution is population rather than individual. Evolutionary processes give rise to diversity at every level of biological organization, including species, individual organisms and molecules such as DNA and proteins.

Charles Darwin and Alfred Wallace were the first to formulate a scientific argument for the theory of evolution by means of natural selection. Evolution by natural selection is a process that is inferred from three facts about populations: 1) more offspring are produced than can possibly survive, 2) traits vary among individuals, leading to different rates of survival and reproduction, and 3) trait differences are heritable. Thus, when members of a population die they are replaced by the progeny of parents that were better adapted to survive and reproduce in the environment in which natural selection took place. This process creates and preserves traits that are seemingly fitted for the functional roles they perform. Natural selection is the only known cause of adaptation, but not the only known cause of evolution. Other, nonadaptive causes of evolution include mutation and genetic drift.

In this special issue, we intend to invite front-line researchers and authors to submit original research and review articles on exploring **Biological evolution**.

Authors should read over the journal's [Authors' Guidelines](#) carefully before submission, Prospective authors should submit an electronic copy of their complete manuscript through the journal [Paper Submission System](#).

Please kindly notice that the “**Special Issue**” under your manuscript title is supposed to be specified and the research field “**Special Issue- Biological evolution**” should be chosen during your submission.

According to the following timetable:

Manuscript Due	June 12th, 2013
Publication Date	August 2013

**Guest Editor:**

For further questions or inquiries  
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