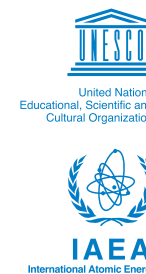




The Abdus Salam
International Centre for Theoretical Physics



School and Conference From Biological Networks to Cellular Function: Evolution, Dynamics and Spatial Organization

8 - 12 June 2009

Miramare-Trieste, Italy

The Abdus Salam International Centre for Theoretical Physics (ICTP), in collaboration with the EU project GENNETEC (<http://gennetec.csregistry.org/>), is organizing the conference "From biological networks to cellular function: evolution, dynamics and spatial organization", to take place at ICTP in Trieste, Italy on June 10-12, 2009. This will be preceded by an introductory School (8-9 June) on the subjects of the conference.

Fundamental questions about the architecture, evolution and function of biological networks are increasingly approached from many complementary viewpoints, ranging from molecular genetics and evolutionary biology, to bioinformatics and statistical physics. By bringing together top-level researchers from different disciplines, the conference aims at fostering discussion and advancing in our understanding in key subjects such as: the architecture, evolution and function of regulatory networks, the interplay between chromosome geometry and gene function and regulation, optimality principles in the description of biological networks, the multilevel nature of biological networks, from the cellular to the ecosystem level. In line with ICTP's mission this activity aims at bridging scientific communities of developing countries with those of developed ones.

Participation

The activity is open to researchers and students from member countries of the United Nations, UNESCO or IAEA with a background in areas related to the topic. As it will be conducted in English, participants should have an adequate working knowledge of that language. Although the principal objective of the ICTP is to help research workers from developing countries, through a programme of training activities within a framework of international cooperation, scientists from developed countries are also welcome to attend.

Every effort should be made by candidates to secure support. However, limited funds are available for some participants (for accommodation or airfare), who are nationals of, and working in, a developing country, and who are not more than 40 years old. Participants are required to take part in all aspects of this activity for its entire duration. **There is no registration fee.**

HOW TO APPLY FOR PARTICIPATION

Candidates should complete and submit the [Online Application](http://agenda.ictp.it/smr.php?2041) that can be found at: <http://agenda.ictp.it/smr.php?2041>. Comprehensive instructions will guide you step-by-step on how to fill out and submit the application form. Kindly send all file attachments in Word or Acrobat format.

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GENetic NETworks: Emergence
and Complexity

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**DEADLINE
for requesting
participation**

8 March 2009