EMBO Conference: From Functional Genomics to Systems Biology

The EMBO conference ‘From Functional Genomics to Systems Biology' will take place at the EMBL in Heidelberg, Germany, from 17th to 20th October.

This conference has served as an important venue in helping to shape the field and generate a community of scientists that come from very diverse disciplines. The common goal is to understand the systems level properties of complex systems at all scales from molecular processes to cells, tissues and organisms. The meeting was initiated in 2002 and has been held every two-years at EMBL Heidelberg, with the 2012 meeting being the sixth biennial conference. Due to the line-up of speakers, the interactive atmosphere and lively discussions after the talks, the feedback from both the participants and speakers at past meetings has always been excellent. For 2012, there is a full program of confirmed speakers available online.

Aims of Event
The main objective of this conference is to bring people together from these diverse disciplines to exchange ideas, promote cross-disciplinary collaborations and to form a synthesis of appropriate systems-level approaches.

Topics
The meeting is purposely very broad and covers all aspects of functional genomic approaches to systems biology, going from the genome to phenotype. These include general principles of transcription, transcriptional networks, protein interactions, functional interaction networks (synthetic lethal screens, genetics, RNAi), synthetic biology, multi-dimensional data integration and qualitative and quantitative modeling.

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