

ESF-EMBO Symposium

# Synthetic Biology of Antibiotic Production

Hotel Eden Roc, Sant Feliu de Guixols, Spain  
2-7 October 2011

With support from



**DSM  
Biotechnology  
Center**

The biotechnological manipulation of antibiotic production is one of the most promising industrial application domains of Synthetic Biology. This conference brings together the most prominent players in this emerging field, from academia and industry, to discuss recent advances and future directions for the application of synthetic biology in filamentous fungi and actinomycete bacteria.

Participants from all areas of Synthetic Biology, including combinatorial biochemistry, metagenomics, mathematical and computational modeling, cell engineering, molecular cell biology and biotechnology, are invited to apply and will then be selected for participation.

Support grants will be available for early stage researchers to cover the conference fee and, possibly, part of the travel costs. Grants are distributed based on financial need and scientific merit. Grantees must attend the entire conference in order to benefit from the grant.



**Chair:** Eriko Takano, Microbial Physiology, University of Groningen, NL

**Co-Chairs:** Roel Bovenberg, DSM Biotechnology Center, Delft, NL and Centre for Synthetic Biology, University of Groningen, NL & Rainer Breitling, Groningen Bioinformatics Centre, University of Groningen, NL and Institute of Molecular, Cell & Systems Biology, University of Glasgow, UK

### Invited Speakers will include:

**SESSION I: GENERAL SYNTHETIC BIOLOGY** • Roy Kishony, Harvard University, US • Luis Serrano, CRG, ES • Jeff Hasty, UC San Diego, US • Jörg Stelling, ETH, CH • Christina Smolke, Stanford, US • Markus Schmidt, IDC, AT; **SESSION II: FILAMENTOUS FUNGAL SYSTEMS** • Jens Nielsen, Chalmers University of Technology, SE • Nancy Keller, University of Wisconsin, US • Axel Brakhage, HKI, DE; **SESSION III: ACTINOMYCES SYSTEMS** • Mohamed Marahiel, University of Marburg, DE • Peter Leadlay, Cambridge University, UK • Rolf Mueller, Saarland University, DE • Wolfgang Wohlleben, Tübingen University, DE; **SESSION IV: TOOLS AND HOST STRUCTURES** • Chris Voigt, UCSF, US • Arnold Driessen, University of Groningen, NL • Beatrix Suess, Frankfurt University, DE • Haruo Ikeda, Kitasato University, JP • Michael Fischbach, UCSF, UK • Kristala Jones Prather, MIT, US

Application form & programme available from

[www.esf.org/conferences/11360](http://www.esf.org/conferences/11360)

Closing date for applications: **30 June 2011**

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