

**ESF-EMBO Symposium on Synthetic Biology of Antibiotic Production**  
**2-7 October 2011 • Hotel Eden Roc, Sant Feliu de Guixols, Spain**

**List of Accepted Short Talks**

1	Sabine Albermann	Westfaelische Wilhelms-Universitaet, Muenster, Germany	<b><i>Approaches for directed strain improvement targeting enhanced biosynthesis of gibberellic acid in <i>Fusarium fujikuroi</i></i></b>
2	Julia Bandow	Ruhr-Universität Bochum, Bochum, Germany	<b><i>Beyond Identification of Antimicrobial Compounds: Elucidating Antibiotic Mechanisms of Action</i></b>
3	Tobias Bollenbach	IST Austria, Klosterneuburg, Austria	<b><i>Resolution of gene regulatory conflicts caused by combinations of antibiotics</i></b>
4	Barry Canton	Ginkgo BioWorks, Boston, United States	<b><i>A pipeline for organism engineering at Ginkgo BioWorks</i></b>
5	Santiago Comba	National University of Rosario, Rosario, Argentina	<b><i>Interplay between lipid metabolism and polyketide production in <i>Streptomyces coelicolor</i></i></b>
6	Christophe Corre	University of Warwick, Coventry, United Kingdom	<b><i>New chemical keys to unlock the production of novel microbial antibiotics</i></b>
7	Russell Cox	University of Bristol, Bristol, United Kingdom	<b><i>Reprogramming Fungal Polyketide Synthases</i></b>
8	Anna Eliasson Lantz	Technical University of Denmark, Kgs. Lyngby, Denmark	<b><i>Application of Synthetic Promoter Library for modulation of actinorhodin production in <i>Streptomyces coelicolor</i></i></b>
9	Juan Pablo Gomez-Escribano	John Innes Centre, Norwich, United Kingdom	<b><i>Engineering <i>Streptomyces coelicolor</i> for the expression of heterologous gene clusters</i></b>
10	Luciana Gonzaga De Oliveira	University of Campinas, Campinas, Brazil	<b><i>Molecular fingerprint in actinomycetes</i></b>
11	Rebecca Jane Miriam Goss	University of East Anglia, Norwich, United Kingdom	<b><i>Elucidating and Exploiting Biosynthesis: Synthetic Biology Approaches to Access Novel Uridyl Peptide Antibiotics</i></b>
12	Martin Grininger	Max-Planck-Society, Martinsried, Germany	<b><i>Chemically coded two-step synthesis of lactones</i></b>
13	Jan A.k.w. Kiel	University of Groningen, Groningen, Netherlands	<b><i>Secondary metabolism in filamentous fungi: there is more to it than just the cytosol</i></b>
14	Colin Lazarus	University of Bristol, Bristol, United Kingdom	<b><i>Molecular systems development for studying and manipulating natural product biosynthesis</i></b>
15	Paul Yagüe Menendez	Universidad de Oviedo, Oviedo, Spain	<b><i>Mycelium differentiation and antibiotic production in liquid cultures of <i>Streptomyces</i>: Biotechnological applications</i></b>

16	Marnix H Medema	University of Groningen, Groningen, Netherlands	<b><i>Automated Mining and Synthetic Biology Implementation of Secondary Metabolite Biosynthesis Gene Clusters</i></b>
17	Vera Meyer	Berlin University of Technology, Berlin, Germany	<b><i>Fungal survival strategies against antibiotics</i></b>
18	Wayne Mitchell	Experimental Therapeutics Centre, Singapore, Singapore	<b><i>Engineering a Natural Product Chemicopia</i></b>
19	Justin Nodwell	McMaster University, Hamilton, Canada	<b><i>Remodeling secondary metabolism with synthetic chemical signals</i></b>
20	Stefan Olsson	University of Copenhagen, Frederiksberg C, Denmark	<b><i>Exploring fungal-bacterial interactions for discovering new bioactive substances and their mechanisms of action</i></b>
21	Hiroyasu Onaka	Toyama Prefectural University, Imizu, Japan	<b><i>Biosynthesis and genetic engineering of goadsporin, one of thiazole and oxazole containing peptides (TOPs) produced by Streptomyces sp. TP-A0584</i></b>
22	Bohdan Ostash	Ivan Franko National Univerisy of Lviv, Lviv, Ukraine	<b><i>Exploring and exploiting moenomycin biosynthesis to develop new class of antibiotics: contributions of genomics</i></b>
23	Nili Ostrov	Columbia University, New York, United States	<b><i>Cell Engineering via Reiterative Recombination in Yeast</i></b>
24	Todd Peterson	Life Technologies Corp, Carlsbad, United States	<b><i>Design, synthesis, assembly technologies for synthetic biology engineering</i></b>
25	Hrvoje Petkovic	Acies Bio, Ltd., Ljubljana, Slovenia	<b><i>New insights into substrate supply and regulation of FK506 biosynthesis and their implications for bioprocess development and drug discovery</i></b>
26	Anne-Gaëlle Planson	University of Evry, Evry, France	<b><i>Therapeutic production in Escherichia coli using retrosynthetic design of metabolic pathways</i></b>
27	Arthur Ram	Leiden University, Leiden, Netherlands	<b><i>Secondary metabolite production in Aspergillus niger at near zero specific growth rates</i></b>
28	Christian Rausch	Royal DSM N.V., Delft, Netherlands	<b><i>NRPSpredictor2: an established method for the prediction of NRPS adenylation domain specificity – update and examples of applications</i></b>
29	Daniel Scharf	Leibniz Institute for Natural Product Research and Infection Biology e.V., Jena, Germany	<b><i>Gliotoxin pathway reconstruction as a prerequisite for pathway engineering</i></b>
30	Tom Simpson	University of Bristol, Bristol, United Kingdom	<b><i>Biosynthesis and Mutasynthesis of Trans-AT Polyketides: Mupirocin and Thiomarinol</i></b>
31	Adam Spargo	University of Exeter, Exeter, United Kingdom	<b><i>Rule-based simulation of synthetic integron construction</i></b>
32	Antonio Starcevic	University of Zagreb, Zagreb, Croatia	<b><i>Modelling of homologous recombination in modular polyketide synthases combined with synthetic biology as a strategy for producing biologically active lead compounds</i></b>
33	Karsten Temme	UC San Francisco, San Francisco, US	<b><i>Refactoring the Nitrogen Fixation Gene Cluster in Klebsiella oxytoca</i></b>
34	Ralf Wagner	Geneart AG / Life Technologies, Regensburg, Germany	<b><i>Synthetic Lantibiotics – Design and Combinatorial Synthesis</i></b>

**With support from:**



Generalitat de Catalunya  
Departament d'Innovació,  
Universitats i Empresa  
**Comissionat per a Universitats  
i Recerca**

**DSM – *the Life Sciences and Materials  
Sciences Company***

**SGM – *Society for General  
Microbiology***