

## RESEARCH CONFERENCES

ESF-EMBO Symposium

Molecular Bioenergetics of Cyanobacteria: Towards Systems Biology  
Level of Understanding

Hotel Eden Roc, Sant Feliu de Guixols (Costa Brava) • Spain  
**29 March - 3 April 2008**

### List of Accepted Posters

	<b>Surname</b>	<b>First Name</b>	<b>Poster Title</b>
1	Aboal	Marina	Effect of temperature, phosphorus, nitrogen and iron on growth and microcystin production of <i>Geitlerinema splendidum</i> (Greville ex Gomont) <i>Anagnostidis</i>
2	Allahverdiyeva	Yagut	Functional and proteomic characterization of an uptake hydrogenase deletion mutant of <i>Nostoc punctiforme</i> PCC 73102
3	Ankele	Elisabeth	Protein translocation systems in cyanobacteria
4	Arteni	Ana Andreea	Structural characterization of phycobilisomes from the cyanobacterium <i>Synechocystis</i> sp. strain PCC6803 and assignment of the position of Ferredoxin:NADP oxidoreductase
5	Aubert-Jousset	Emeline	Oxygen sensitivity of hydrogenase and hydrogen production in <i>Synechocystis</i> PCC6803
6	Becker	Markus	Biochemical characterization of multiple FtsH proteases of <i>Synechocystis</i> sp. PCC 6803
7	Benjamin Francisco	Dalton Carmel	Characterization of novel TPR protein Slr0151 of <i>Synechocystis</i> sp. 6803
8	Bernát	Gábor	Cyanobacterial electron transport around the Cytochrome b6/f complex: components and dynamics
9	Blot	Nicolas	Oxidative stress in marine <i>Synechococcus</i> sp. strain WH7803
10	Bogos	Balázs	Blocking phospholipid (PG) synthesis in the cyanobacterium <i>Synechococcus</i> PCC7942 inhibits photosynthesis and affects cell division
11	Boulay	Clémence	NPQ processes in different strains of cyanobacteria containing or not the Orange Carotenoid Protein
12	Brown	Igor	Diversity and physiology of siderophilic cyanobacteria: implication for the bioenergetics
13	Cardona	Tanai	Control of Excitation Transfer in Heterocysts from <i>Nostoc Punctiforme</i>
14	Chauvat	Franck	Glutathione revisited
15	Chen	Min	Towards understanding the biosynthesis of Chl d in <i>Acaryochloris marina</i>
16	Cheregi	Otilia	N-terminal mutation of the Hsp16 small Heat Shock Protein leads to increased thylakoid association and provides an elevated resistance against UV-B damage in <i>Synechocystis</i> 6803

17	Contreras	Asunción	SipA, a new regulator in photosynthesis-related signal transduction
18	Dinamarca	Jorge	Broadening growth temperature range in cyanobacteria by means of directed mutagenesis
19	Eisenhut	Marion	Transcriptional and physiological changes after long-term Ci limitation in <i>Synechocystis</i> sp. strain PCC 6803 wild type and mutants defective in phosphoglycolate turnover
20	Espinosa	Javier	Regulatory network in <i>Synechococcus</i> PCC 7942: finding out the meaning of the PII interaction with PipX
21	Ferreira	Daniela	Transcription profiles of hydrogenases related genes in <i>Lyngbya majuscula</i> CCAP 1446/4
22	Fokina	Oleksandra	Structural analysis of the PP2C Phosphatase tPphA from <i>Thermosynechococcus elongatus</i> : a flexible flap subdomain controls access to the catalytic site
23	Folea	Mihaela	Single particle analysis of thylakoid proteins from <i>Thermosynechococcus elongatus</i> and <i>Synechocystis</i> 6803: Localization of the CupA subunit of NDH-1
24	Galhano	Victor Manuel Fernandes	Biochemical and Physiological Responses of the Rice Field Cyanobacterium <i>Anabaena cylindrica</i> to Molinate
25	Gharaei-Fathabad	Eshrat	<i>Nostoc piscinale</i> , a new cyanobacterial strain with cytotoxic activity.
26	Gomez	Felipe	Cyanobacteria on acidic environments
27	Gómez-Lojero	Carlos	Ferredoxin:NADP <sup>+</sup> oxidoreductase is an associated protein of the phycobilisomes of <i>Fremyella diplosiphon</i> , a cyanobacterium with complementary chromatic adaptation
28	Gomolla	Dorothea	The cytochrome b6f complex from <i>Thermosynechococcus elongatus</i> – structural and functional analysis
29	Gonçalves	Vera	The role of flavodiiron proteins in nitric oxide detoxification
30	González	Andrés	Phenotypic characterization of a mutant of <i>Anabaena</i> sp. PCC 7120 lacking of <i>alr1690</i> and <i>a-furA</i> antisense RNA
31	Grasse	Nicole Eva-Maria	Influence of <i>Psb27</i> on the dynamic of Photosystem 2 of <i>Thermosynechococcus elongatus</i> BP-1
32	Guedeney	Geneviève	Oxygen sensitivity of hydrogenase and hydrogen production in <i>Synechocystis</i> PCC6803 E
33	Guljamow	Arthur	Horizontal gene transfer of cytoskeletal elements from a eukaryote to a cyanobacterium
34	Hackenberg	Claudia	Cooperation of Mehler reaction and photorespiratory glycolate metabolism is important under high light conditions in <i>Synechocystis</i> sp. PCC 6803
35	Huesgen	Pitter	Biochemical characterization of the Deg proteases in <i>Synechocystis</i> sp. PCC 6803
36	Karapetyan	Navasard	Non-photochemical quenching of fluorescence in cyanobacteria
37	Karradt	Anne	NblA, a key protein of phycobilisome degradation, interacts with ClpC, a Hsp100 chaperone partner of a cyanobacterial Clp protease
38	Klähn	Stephan	Synthesis of compatible solutes among different cyanobacterial strains from marine habitats
39	Kos	Peter B.	Relation of damage and repair of the photosynthetic apparatus to DNA repair under exposure to various wavelength UV irradiations
40	Krogmann	David	Recently recognized cytochromes c6 in filamentous cyanobacteria
41	Kufryk	Galyna	Proteins involved in regulation of photosystem ii assembly in cyanobacteria

42	La Rocca	Nicoletta	Ultrastructure and photosynthesis at different of temperatures of a filamentous cyanobacterium from the Euganean Thermal Springs (Padova, Italy)
43	Latifi	Amel	Defence against oxidative stress in the cyanobacterium <i>Anabaena</i> PCC 7120
44	Liaimer	Anton	Knockout of a gene for non-ribosomal peptide synthetase leads to aberration in the life cycle in <i>Nostoc punctiforme</i> ATCC29133
45	López-Igual	M <sup>a</sup> Del Rocío	Two bicarbonate transport systems in <i>anabaena</i> sp. PCC 7120
46	Lopez-Lozano	Antonio	Regulation of isocitrate dehydrogenase and the carbon/nitrogen balance in <i>Prochlorococcus</i>
47	Lüer	Corinna	Functional analysis of the cytochrome bd oxidase from <i>Thermosynechococcus elongatus</i> and <i>Synechocystis</i> PCC 6803
48	Luque	Ignacio	Phylogenomic analysis of cyanobacterial aminoacyl-tRNA synthetases reveals intraphylum diversity and complex evolution of some synthetases
49	Magnuson	Ann	Characterization of the photosynthetic membranes from heterocysts of wildtype and mutant strains of the filamentous cyanobacterium <i>Nostoc punctiforme</i>
50	Marin	Kay	Function of FtsH type proteases in <i>Synechocystis</i> sp. PCC 6803
51	Merino-Puerto	Victoria	Characterization of mutants of <i>anabaena</i> sp. PCC 7120 affected in filament integrity
52	Miranda	Helder	Complex formation of the Deg/HtrA proteases in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803 and their possible interaction with D1 protein
53	Moro	Isabella	Ultrastructural and photosynthetic features of a new coccoid cyanobacterium from the Euganean Thermal Springs (Padova, Italy)
54	Muro-Pastor	Alicia M.	Transcriptional regulation of the <i>ntcA</i> promoter during heterocyst development in <i>Anabaena</i> sp. PCC 7120
55	Nenninger	Anja	Protein Translocation in <i>Synechocystis</i> PCC6803
56	Nicolaisen	Kerstin	Proteins of the Omp85 class in <i>Anabaena</i> sp. PCC 7120
57	Ortega	José María	Side-directed mutagenesis of cytochrome b559 in the cyanobacterium <i>Thermosynechococcus elongatus</i>
58	Pastor	Daniel	Occurrence and functions of Fur-like proteins in cyanobacteria
59	Peca	Loredana	Development and utility of two bioluminescent reporter strains of <i>Synechocystis</i> PCC 6803 for detection of Ni <sup>2+</sup> , Co <sup>2+</sup> and Zn <sup>2+</sup> contaminants
60	Peleato	Maria Luisa	<i>Anabaena</i> PCC7120 does not internalise microcystin-LR
61	Pellicer	Silvia	Probing residues involved in metal sensing in FurA from <i>Anabaena</i> sp. PCC7120
62	Pernil	Rafael	ABC-type amino acid uptake transporters Bgt and N-II of <i>Anabaena</i> sp. PCC 7120 share an ATPase subunit and are expressed in vegetative cells and heterocysts
63	Peschek	Guenter A.	A comprehensive survey of cyanobacterial terminal oxidat- ion:Genes vs. proteins
64	Pollari	Maija Elina	The roles of group 2 sigma factors in the gene regulation of the cyanobacterium <i>Synechocystis</i> sp. PCC 6803
65	Puerta-Fernandez	Elena	Purification of Hfq from <i>Synechocystis</i> and <i>Nostoc</i> and characterization of its binding to Yfr-1 sRNA
66	Rangel	Oriol Alberto	Physiological regulation and expression of glutamate dehydrogenase in <i>Prochlorococcus</i> MIT 9313 O.A.

67	Rasch	Grit	<i>Synechococcus elongatus</i> PCC 7942 – A global analysis of nitrogen starvation
68	Rexroth	Sascha	Segregated Membrane Domains in the Plasma Membrane of <i>Gloeobacter violaceus</i>
69	Ruiz	Marion	Defences against oxidative stress in cyanobacteria
70	Rupprecht	Eva	A DnaK-DnaJ-GrpE chaperone network in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803
71	Sander	Julia	Role of the psbA gene family of Photosystem 2 in the thermophilic cyanobacterium <i>Thermosynechococcus elongatus</i>
72	Schottkowski	Marco	Cyanobacterial TPR proteins and photosynthesis
73	Schwabe	Tatjana Martha Edith	Assembly factors and regulation of photosystem I in <i>Synechocystis</i> sp. PCC 6803
74	Sciuto	Katia	Light and temperature effects on thylakoidal lipids of a cyanobacterium from the Euganean thermal springs (Italy)
75	Sevilla Miguel	Emma	Effect of nitrate availability in mcyD expression and microcystin LR synthesis in <i>Microcystis</i>
76	Shlyk-Kerner	Oksana	Broadening growth temperature range in cyanobacteria by means of directed mutagenesis
77	Shunmugam	Sumathy	Functional and proteomic characterization of an uptake hydrogenase deletion mutant of <i>Nostoc punctiforme</i> PCC 73102
78	Sicora	Cosmin Ionel	Novel Cyanobacterial D1 Form Plays an Important Role in Anaerobic Adaptation of the Cell
79	Singh	Devendra P.	Differential Effect of tin chloride and dimethyl tin chloride on the photosynthetic properties of cyanobacterium <i>Nostoc muscorum</i>
80	Söderberg	Åsa	Heterocysts study on <i>Nostoc punctiforme</i> uptake hydrogenase mutant
81	Srivastava	Ashish Kumar	Response of nitrogen fixing cyanobacterium <i>Anabaena doliolum</i> under NaCl stress: A physiological, biochemical and proteomic study
82	Stadnichuk	Igor	Two fluorescence quenching mechanisms in PSI and PSII of cyanobacteria: state 1 – state 2 transitions and carotenoid-induced energy dissipation in phycobilisomes
83	Striebeck	Petra	IdiA: Factor Involved in the Protection of Photosystem 2
84	Tolstygina	Irina	Improved photosynthetic efficiency of cyanobacteria used in photobiological H <sub>2</sub> production
85	Valladares Ruiz	Ana	Mechanism of NtcA-dependent transcription activation in the heterocyst-forming cyanobacteria <i>Anabaena</i> sp. PCC 7120
86	Vela Poves	Laura	Microcystin-LR binds iron
87	Vorontsova	Natalia	Slr0151 protein has a crucial role in oxidative stress tolerance of <i>Synechocystis</i> sp 6803
88	Weiz	Annika	Genomic mining of secondary metabolites from <i>Microcystis aeruginosa</i> PCC7806
89	Weyman	Philip	Toward biodiesel production in the cyanobacterium <i>Anabaena variabilis</i>
90	Yilmaz	Ebru Sebnem	Recovery of Heavy Metals by <i>Synechocystis</i> sp.
91	Yilmaz	Meral	Cyanobacterial Diversity of Seydisuyu River-Kütahya and Boron Pool of Etibor Establishment-Eskisehir, Turkey
92	Zhang	Pengpeng	Expression of A-type flavoproteins in <i>Synechocystis</i> sp. PCC 6803 in response to light intensity and low CO <sub>2</sub>

