



ESF Research Conference on

Molecular Bioenergetics of Cyanobacteria

**EuroConference on Genomics, Proteomics and Structure for
Functional Understanding**

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Sant Feliu de Guixols, Spain, 21-26 May 2005

LIST OF ACCEPTED POSTERS

POSTER PRESENTATION 1 SUNDAY 21.00 (even program number authors attend)

- SUN 21.00 **Tatiana Pisareva** (Stockholm University, S)
POS_042 *Proteomics of Synechocystis sp. PCC 6803. Identification of thylakoid membrane proteins*
- SUN 21.00 **Balázs Bogos** (Hungarian Academy of Sciences, Szeged, HU)
POS_044 *A novel genetic system for in vivo studies of gene expression in Thermosynechococcus elongatus BP-1 and Synechococcus sp. PCC7942*
- SUN 21.00 **Ilona M.M. Tuominen** (University of Turku, FIN)
POS_046 *Heat shock response in inactivation strains of group II sigma factors in Synechocystis sp. PCC 6803*
- SUN 21.00 **Maija Elina Pollari** (University of Turku, FIN)
POS_048 *Inactivation and characterization of group II sigma factors of the cyanobacterium Synechocystis sp. PCC 6803*
- SUN 21.00 **Silvia Pellicer Espuña** (University of Zaragoza, E)
POS_050 *Involvement of FurA cysteines from Anabaena PCC7120 in DNA and heme binding*
- SUN 21.00 **Eneas Aguirre-von-Wobeser** (University of Amsterdam, NL)
POS_052 *Properties of a new oligonucleotide microarray for Synechocystis PCC6803 assessed on a salt-stress experiment*
- SUN 21.00 **Hans C.P. Matthijs** (University of Amsterdam, NL)
POS_054 *Genome-wide responses of Synechocystis PCC6803 to nitrogen deprivation*
- SUN 21.00 **Ella Sendersky** (Bar-Ilan University, IL)
POS_056 *NbIC, a cyanobacterial homologue of anti-sigma factors is required for transcription activation during starvation*
- SUN 21.00 **Shinichiro Maruyama** (University of Tokyo, J)
POS_058 *Characterization of a tRNA-specific adenosine deaminase homolog in Synechocystis sp. PCC 6803*
- SUN 21.00 **Sven Gathmann** (University of Freiburg, D)
POS_060 *Characterisation of type I signal peptidases from Synechocystis PCC 6803*

- SUN 21.00 **Anna Sokolenko** (Ludwig Maximilians Universität, München, D)
POS_062 *Degradation machinery and its functions in protein biogenesis in Synechocystis sp. PCC 6803*
- SUN 21.00 **Ghada Ajlani** (CEA Saclay, F)
POS_064 *Phycobilisome rod mutants in Synechocystis sp. strain PCC6803*
- SUN 21.00 **John Griffin Cobley** (University of San Francisco, US)
POS_066 *Role of the cpeCDESTR operon in the green-light-dependent synthesis of phycoerythrin in the cyanobacterium, Fremyella diplosiphon*
- SUN 21.00 **Masayuki Muramatsu** (University of Tokyo, J)
POS_068 *Mechanism of light response of genes encoding subunits of photosystem I in Synechocystis sp. PCC 6803*
- SUN 21.00 **Jean-Charles Cadoret** (ENS/CNRS, Paris, F)
POS_070 *Dissipation of excess energy triggered by blue light in cyanobacteria with CP43'*
- SUN 21.00 **Sandrine D'Haene** (Vrije Universiteit, Amsterdam, NL)
POS_072 *Photoprotective function of IsiA in Synechocystis PCC 6803*
- SUN 21.00 **Nataliya Yeremenko** (University of Amsterdam, NL)
POS_074 *Functional flexibility of light harvesting in cyanobacteria*
- SUN 21.00 **Min Chen** (University of Sydney, AU)
POS_076 *Story of Chlorophyll d: Implication of the chlorophyll replacement in the photosynthesis*
- SUN 21.00 **Miguel Angel Hernandez Prieto** (Umea University, S)
POS_078 *The cyanobacterial small Cab-like proteins (SCPs/HLIPs).*
- SUN 21.00 **Danny Yao** (Umea University, S)
POS_080 *The small cab-like protein D (SCPD) is a subunit of photosystem II*
- SUN 21.00 **Nikolaos Bouzovitis** (Queen Mary College, University of London, UK)
POS_082 *Mobilization of Photosystem II induced by intense red light in the cyanobacterium Synechococcus sp 7942*
- SUN 21.00 **Oksana Kerner** (Weizmann Institut, Rehovot, IL)
POS_084 *The contribution of putative inter-subunit interactions to the function and local flexibility of PSII complex*
- SUN 21.00 **Tanai Cardona** (Uppsala University, SE)
POS_086 *Isolation of Oxygen Evolving Thylakoids Membranes from Nostoc punctiforme PCC73102*
- SUN 21.00 **Otilia-Silvia Cheregi** (University of Szeged, HU)
POS_088 *The role of the FtsH and DegP proteases in the repair of Photosystem II after damage by UV-B radiation in Synechocystis 6803*
- SUN 21.00 **Christiane Funk** (Umea University, S)
POS_090 *The HHOA protease from Synechocystis SP. PCC 6803 degrades the photodamaged D1 protein of the photosystem II reaction center*
- SUN 21.00 **Cosmin I. Sicora** (Mount Allison University, Sackville CA)
POS_092 *UV-B Induces differential expression of the psbA genes in Anabaena sp. PCC7120*

- SUN 21.00 **Marc Nowaczyk** (Ruhr University, Bochum, D)
 POS_094 *Psb27: First evidence for a bacterial lipoprotein associated with Photosystem 2*
- SUN 21.00 **Krisztián Cser** (University of Szeged, HU)
 POS_096 *The effect of pheophytin redox potential on the radiative and non-radiative charge recombination pathways in PSII studied in Synechocystis 6803 mutants*
- SUN 21.00 **Navasard Karapetyan** (Bakh Institute, Moscow, RF)
 POS_098 *Pathways of dissipation of excess energy by cyanobacteria*
- SUN 21.00 **Mikhail Antonkine** (Freie Universität Berlin, D)
 POS_100 *Breaking biological symmetry in membrane proteins: How PsaC evolved to orient asymmetrically on the Photosystem I core*
- SUN 21.00 **Ildiko Domonkos** (University of Szeged, HU)
 POS_102 *The role of phosphatidylglycerol in PS1 oligomerization*
- SUN 21.00 **Ulf Dühring** (Humboldt University, Berlin, D)
 POS_104 *Analysis of photosynthetic complexes from a cyanobacterial ycf37 mutant*
- SUN 21.00 **Annegret Wilde** (Humboldt University, Berlin, D)
 POS_106 *Functional investigations on gene products of conserved chloroplast ORFs in the cyanobacterium Synechocystis sp. PCC 6803*
- SUN 21.00 **Loredana Peca** (Biological Research Center, Szeged, HU)
 POS_108 *Quantitative analysis of Synechocystis sp. PCC 6803 gene expression in light stress*

POSTER PRESENTATION 2 MONDAY 21.00 (odd program number authors attend)

- MON 21.00 **Ioan Ardelean** (Romanian Academy, Bucharest, RO)
 POS_043 *Respiration-photosynthesis interplay and catalase- peroxidase activity in Synechocystis PCC 6803 at high salinity*
- MON 21.00 **Pengpeng Zhang** (University of Turku, FIN)
 POS_045 *Multiple NDH-1 complexes in cyanobacteria*
- MON 21.00 **Ana-Andreea Arteni** (University of Groningen, NL)
 POS_047 *Structure of the NDH-1 complex from Cyanobacteria*
- MON 21.00 **Nina Gwendolyn Dyczmons** (Ruhr University, Bochum, D)
 POS_049 *Purification and characterization of cyanobacterial cytochrome bd oxidases*
- MON 21.00 **Meike Gendrullis** (Ruhr University, Bochum, D)
 POS_051 *Cyanobacterial cytochrome b6f complexes: Purification, characterization and indications for a new subunit*
- MON 21.00 **Jorge Gil Martínez** (University of Sevilla, E)
 POS_053 *The oxidative and reductive branches of the Krebs cycle in the cyanobacterium Synechocystis sp. PCC 6803*

- MON 21.00 **Marion Eisenhut** (University of Rostock, D)
 POS_055 *Mutation in photorespiratory C2-cycle enzymes leads to glycine accumulation and sensitivity in Synechocystis sp. strain PCC 6803*
- MON 21.00 **Antonio Lopez-Lozano** (University of Cordoba, E)
 POS_057 *Characterization of isocitrate dehydrogenase from the cyanobacterium Prochlorococcus*
- MON 21.00 **Marit Stirnberg** (University of Köln, D)
 POS_059 *Regulation of the steady state content of the compatible solute glucosylglycerol in Synechocystis sp. PCC 6803*
- MON 21.00 **Rebeca Vidal Vidal** (University of Sevilla, E)
 POS_061 *Purification and characterization of an alcohol dehydrogenase induced by osmotic stress in Synechocystis sp. PCC 6803*
- MON 21.00 **Asunción Contreras** (University of Alicante, E)
 POS_063 *Connections between nitrogen and photosynthesis regulatory networks: Role of PII from Synechococcus sp. PCC 7942 in acclimation to changes in nitrogen availability*
- MON 21.00 **Anneliese Ernst** (NIOO-CEME, Yerseke, NL)
 POS_065 *Clonal differences in nitrate and phosphate assimilation of non-bloom-forming picocyanobacteria*
- MON 21.00 **Jose Carlos Fernandez-Morales** (Universidad Autonoma de Madrid, E)
 POS_067 *Does calcium have a role in sensing C/N imbalance during heterocyst differentiation in Anabaena sp. PCC7120?*
- MON 21.00 **Brita Fiedler** (Humboldt University Berlin, D)
 POS_069 *Investigations on the involvement of photoreceptors in the control of photomovement*
- MON 21.00 **Jean-Christoph Kehr** (Institute Pasteur, Paris, F)
 POS_071 *A Mannan Binding Lectin is involved in cell-cell attachment in Microcystis aeruginosa PCC 7806*
- MON 21.00 **Dirk Schneider** (University of Freiburg, D)
 POS_073 *Having three while one could be enough: Characterization of a cyanobacterial DnaK family*
- MON 21.00 **Jean Houmard** (ENS/CNRS, Paris, F)
 POS_075 *Cyclic nucleotides and response to a UV-B stress in Synechocystis PCC 6803*
- MON 21.00 **Jesús A.G. Ochoa de Alda** (University of Segovia, E)
 POS_077 *Adenylyl and guanylyl cyclases in cyanobacteria: molecular architecture, phylogeny and nomenclature*
- MON 21.00 **Young Mok Park** (Korea Basic Science Institute, Daejeon, KO)
 POS_079 *Novel Interaction between Two CheA-like Molecules Involved in Gliding Motility of Cyanobacterium Synechocystis sp. PCC 6803*
- MON 21.00 **Grit Rasch** (Justus Liebig Universität Giessen, D)
 POS_081 *The specificity of PII-P dephosphorylation by PphA*
- MON 21.00 **Nicole Kloft** (Justus Liebig Universität Giessen, D)
 POS_083 *The physiological framework of PII-P dephosphorylation in Synechocystis PCC 6803*

- MON 21.00 **Jichan Jang** (Universite Aix Marseille II, Marseille, F)
 POS_085 *Characterization of prpJ encoding a protein phosphatase involved in heterocyst development in Anabaena PCC 7120*
- MON 21.00 **Rafael Pernil** (University of Sevilla, E)
 POS_087 *ABC-type amino acid permeases from Anabaena sp. PCC 7120*
- MON 21.00 **Åsa Nossed** (Uppsala University, S)
 POS_089 *Maturation processes of hydrogenases in cyanobacteria*
- MON 21.00 **Oriol Alberto Rangel-Zúñiga** (University of Cordoba, E)
 POS_091 *Differential utilization of nitrogen sources in the marine cyanobacterium prochlorococcus*
- MON 21.00 **M. Isabel Muro-Pastor** (University of Sevilla, E)
 POS_093 *Inactivation of cyanobacterial GSI by protein-protein interaction and reactivation by proteolysis*
- MON 21.00 **Guadalupe Gómez-Baena** (University of Cordoba, E)
 POS_095 *Oxidative modification and the control of glutamine synthetase turnover in Prochlorococcus*
- MON 21.00 **Sara López-Gomollón** (University of Zaragoza, E)
 POS_097 *Use of GFP reporter vectors for analysis of fur family expression in Anabaena sp. PCC 7120.*
- MON 21.00 **Yvonne Zilliges** (Humboldt University, Berlin, D)
 POS_099 *Towards Microcystin´s Function*
- MON 21.00 **Beatriz Martin Luna** (University of Zaragoza, E)
 POS_101 *Iron status modulates the transcriptional response of microcystin synthetase genes (mcyD) in Microcystis aeruginosa PCC7806*
- MON 21.00 **Emma Sevilla Miguel** (University of Zaragoza, E)
 POS_103 *Iron starvation increases microcystin synthesis in Microcystis aeruginosa PCC7806*
- MON 21.00 **Douglas Graham** (Robert Gordon University, Aberdeen, UK)
 POS_105 *Investigation of carbon and light on cyanobacterial toxin production*
- MON 21.00 **Anton Liaimer** (Tromsøe University, N)
 POS_107 *An addition to the cyanobacterial vocabulary: ribosomally synthesised peptides.*
- MON 21.00 **Pavel Babica** (Masaryk University, Brno, CZ)
 POS_109 *Exploring the natural role of cyanobacterial toxin microcystin: evidences on allelopathy?*