



ESF-BU-CeBiTec Conference

Micro-organisms for Bio-fuel Production from Sunlight

Bielefeld, Germany, 18 - 21 September 2011

CHAIR: Olaf Kruse, Bielefeld University, Center for Biotechnology (CeBiTec), DE
CO-CHAIR: Peter Lindblad, Uppsala University, SE

LIST OF POSTERS

No.	Surname	Name	Poster Title
1	Al-Haj	Lamya	Development of advanced genetic engineering tools for <i>Synechocystis</i> sp. PCC 6803
2	Andrade de Rossi	Raquel	Effect of nitrogen limitation in lipid content of <i>Scenedesmus</i> spp. isolated from wastewater pond and a reservoir
3	Arvidsson	Samuel	Tools for data analysis, warehousing and integration for large-scale system biology projects
4	Bekker	Martijn	Optimizing synthesis of chemicals by <i>Synechocystis</i> PCC 6803 by tuning expression of key enzymes
5	Berger	Hanna	Molecular regulation of light harvesting: Cytosolic translation control mediated by the nuclear encoded protein NAB1 in <i>Chlamydomonas reinhardtii</i>
6	Berto	Paola	The cyanobacterium <i>Synechocystis</i> sp. PCC 6803 is able to express an active [FeFe]-hydrogenase without additional maturation proteins
7	Blifernez	Olga	Arginine methylation of the cytosolic translational repressor NAB1 from the green alga <i>Chlamydomonas reinhardtii</i>
8	Bogen	Christian	Investigation of microalgae as sources of high-value lipid products

9	Carbonell	Veronica	Development of cyanobacteria as host for biotechnology
10	Chengala	Anwar	Exploitation of unicellular green algae for biotechnological applications and human nutrition
11	Dehghani Mohammad Abadi	Milad	Biodiesel Production from Microalgae: Effects of Lighting parameters on Different Species
12	Doebbe	Anja	The interplay of proton, electron and metabolite supply for photosynthetic H ₂ production in <i>Chlamydomonas reinhardtii</i>
13	Egwim	Evans Chidi	Exploring the termite technology for efficient production of Bioethanol from agro wastes
14	Ferrante	Paola	Role of Lhcbm1, 2 and 8 gene products on the organization of <i>C. reinhardtii</i> antenna system
15	Florencio	Francisco J.	Analysis of synechocystis mutants affected on Nitrogen metabolism for the potential production of biofuels
16	Franck	Fabrice	Influence of the nitrogen source and of the mitochondrial alternative oxidase on the response to sulphur deficiency by <i>Chlamydomonas reinhardtii</i>
17	Godaux	Damien	Insertional mutagenesis to select mutants for modified hydrogen photoproduction in <i>Chlamydomonas reinhardtii</i>
18	Goldschmidt- Clermont	Michel	Enhanced chloroplast transgene expression in a nuclear mutant of <i>Chlamydomonas</i>
19	Grewe	Sabrina	LHCBM9 - a light-harvesting subunit expressed during stress and hydrogen production conditions in <i>Chlamydomonas reinhardtii</i>
20	Haberbauer	Marianne	Biofuel production from hydrogen generated from water by sunlight and carbon dioxide using anaerobic bacteria
21	Harsini	Faraz	Biodiesel Production from Microalgae: Effects of Lighting parameters on Different Species
22	Hempel	Franziska	Diatoms as Bioreactor for the Synthesis of Therapeutics and Biopolymers
23	Horst	Irmtraud	Use of enzymes to facilitate extraction of fuel molecules from microalgae
24	Idoine	Adam	Regulation of organelle-encoded genes in <i>Chlamydomonas reinhardtii</i>
25	De Jaeger	Lenny	Food grade edible oil from microalgae. Lenny de Jaeger, MSc. Wageningen University and Research Centre, Department of Bioprocess Engineering and Food and Biobased Research
26	Johansson	Maria	Self-restarting photobioreactor: Interaction of <i>Chlamydomonas reinhardtii</i> with protective materials under simulated space environment conditions
27	Karstens	Katja	Application of O ₂ -tolerant hydrogenases from <i>Ralstonia eutropha</i> H16 for solar-driven

H2 production in cyanobacteria			
28	Klassen	Viktor	Three step biorefinery complex with <i>C. reinhardtii</i> for generation of CO ₂ -neutral and renewable energy sources
29	Lakatos	Michael	Surface-associated fermentation of terrestrial cyanobacteria - the potential of a novel photobioreactor
30	La Russa	Marco	Increase of the triglyceride content in the green alga <i>Chlamydomonas reinhardtii</i> by genetic engineering
31	Leino	Hannu	Extended hydrogen photoproduction by nitrogen-fixing cyanobacteria immobilized in alginate thin films
32	Lenz	Oliver	Crystal structure and mechanism of a hydrogenase that performs hydrogen cycling in the presence of oxygen
33	Nelson	David	Discovery of a novel oil-producing, cold-tolerant Yellow-green alga
34	Noth	Jens	Pyruvate Ferredoxin Oxidoreductase – the key enzyme in light-independent hydrogen production in <i>Chlamydomonas reinhardtii</i> ?
35	Petroutsos	Dimitris	Insights into the regulation of cyclic electron transfer and hydrogen production in <i>Chlamydomonas reinhardtii</i>
36	de Porcellinis	Alice Jara	Genome-wide distribution of cis regulatory elements and reconstruction of transcriptional network governing the expression of carbon concentrating mechanisms in the cyanobacterium <i>Synechocystis</i> sp. PCC 6803
37	Remacle	Claire	Functional analysis of hydrogen photoproduction in respiratory deficient mutants of <i>Chlamydomonas</i>
38	Salomon	Eitan	The effects of Mn limitation in the growth media on the structure and function of the photosynthetic apparatus in cyanobacteria
39	Savakis	Philipp	Modification of the central carbon metabolism of <i>Synechocystis</i> sp. to synthesize biofuel from carbon dioxide
40	Schierenbeck	Lisa	Optimization of microalgae strains for biomass and hydrogen production in photobioreactors
41	Simkovsky	Ryan	Social behaviors and macrostructure development in the cyanobacteria <i>Synechococcus elongatus</i> PCC 7942
42	Steuer	Ralf	Systems Biology of Cyanobacterial Biofuel Production: A Computational Perspective
43	Stripp	Sven	Light-driven hydrogen production by PSI x hydrogenase constructs as investigated by surface-enhanced IR Absorption Spectroscopy and Electrochemistry
44	Styring	Stenbjörn	From natural to artificial photosynthesis for solar fuels production
45	Trautmann	Danika Maria	SynAlh1, a Fatty Aldehyde and Apocarotenal Dehydrogenase from <i>Synechocystis</i> sp. PCC6803

46	Uhmeyer	Andreas	mTERF proteins and their role in the interplay between photosynthesis and respiration
47	Vagner Santos	Paulo	Oleaginous Chlorella strain isolated from wastewater of sugar cane bioethanol distillery
48	Vallese Cendron	Francesca Laura	Crystal structure of the [FeFe]-Hydrogenase maturation protein HYDF reveals new insights into the H-Cluster biosynthetic scaffold
49	Van De Rhee	Miranda	Metabolic engineering of cyanobacteria for biodiesel production
50	Vuorijoki	Linda	The effects of iron-sulfur cluster metabolism on cyanobacterial hydrogen production
51	Yanan	Xu	Use of auto-flocculation and bio-flocculation to harvest Chlorella sorokiniana for biodiesel production