



## Agenda Management Committee Meeting

### COST Action (TD1102)

**Action Title: (Photosynthetic proteins for technological applications: biosensors and biochips (PHOTOTECH))**

**Bucharest, Romania May 10, 2012**

<b>Time</b>	<b>Title</b>	<b>Speaker</b>
14:00-14:10	Welcome: Local Organizer	Elena Dinu, ANCS Romania
14:10-14:30	Administration & Finance	G. Rea, Chair & MC Members
	1. Minutes of last meeting.	
	2. News from the COST Office.	
	3. Status of Action, including participating countries.	
	4. Budget Status, budget planning and allocation process.	
14:30-14:50	Progress report of working groups	WG Leaders
14:50-15:10	STSM status, applications	P.E. Jensen, STSM Responsible
15:10-15:25	Action planning and implementation	G. Rea, Chair & MC Members
	1. Annual Progress Conference (APC) (Flyer, ppt preparation)	L. Nagy, WG3 Leader
	2. Action Budget Planning	
	3. Meetings Planning	
	3.1 Location and date of next meeting	
	3.2 Long-term planning (including anticipated locations and dates of future meetings)	
	4. Publications, dissemination and outreach activities	
	5. Web news	
	6. Promotion of gender balance and of Early Stage Researchers (ESR)	
	7. Request for new members	
15:25-16:25	Implementation of the COST ACTION TD1102	All, Round Table
16:25-16:45	Others	All
16:45-17:05	Conclusions	S.C. Litescu, Vice Chair
17.05-18.00	Documents collection	



**Agenda**  
**Joint Working Groups Meeting**

**COST Action (TD1102)**

**Action Title: (Photosynthetic proteins for technological applications: biosensors and biochips  
(PHOTOTECH))**

**Bucharest, Romania, from 11 May to 12 May 2012**

**11 May 2012, Scientific presentations**

<b>Time</b>	<b>WG 1, Moderator Prof. Fabio Polticelli</b>	<b>Speaker</b>
09:00-09:20	Genetic engineering of photosystem II	U. Johannngmeier
09:20-09:40	PSII molecular dynamics in the presence of natural and exogenous ligands	F. Polticelli
09:40-10:00	Genetically modified <i>Chlamydomonas</i> biomediators for whole-cells based biosensor platforms	M. Lambreva
10:00-10:20	Photocurrent generation by purple bacterial photoreaction centres interfaced with electrodes	M. Jones
10:20-10:40	Light-driven chemical synthesis	P. E. Jensen
10:40-11:00	Genome project of the cyanobacterium <i>Arthrospira</i> , perhaps zooming in on particular aspects of photosynthesis using bioinformatics approaches	P. Janssen
11:00-11:20	Fluorescent sensors for metal ions	I. Grabchev
11:20-11:30	Coffee Break	
<b>Time</b>	<b>WG 2, Moderator Prof. Bao - Lian Su</b>	<b>Speaker</b>
11:30-11:50	Fabrication of oriented multilayers of photosynthetic reaction centers	O. Heifler
11:50-12:10	Electron-transfer pathways between immobilized enzymes and electrodes using specifically designed redox polymers	W. Schuhmann
12:10-12:30	Laser printing and immobilisation of biomolecules	I. Zergioti
12:30-12:50	Fully active enzyme monolayers on electrode surfaces - Control of spatial distribution and protein orientation.	N. Plumere
12:50-13:10	Graphene hetero-structures for UV-Vis and IR sensing	A. Radoi
13:10-13:30	Immobilization Technology of Bio-entities	C. F. Meunier
13:30-15:00	Lunch break	
15:00-15:20	Photo-electrochemistry of self-assembled monolayers of isolated RCLH1 complexes from photosynthetic bacteria on bare gold	DJ Delgado Diaz



<b>Time</b>	<b>WG 3, Moderator Prof. Laslo Nagy</b>	<b>Time</b>
15:20-15:40	Laser printing of biomaterials for the fabrication of capacitive sensors	M. Chatzipetrou
15:40-16:00	Charge transfer in carbon-based hybrid systems for energy harvesting applications	R. Caterino
16:00-16:20	Porous silicon-photosynthetic reaction centers nanostructure	K. Hajdu
16:20-16:40	The Optoelectronic Properties Of Hybrid Photosystem I-GaAs	C. Carmeli
16:40-17:00	Coffee Break	
17:00-17:20	Biosensors for detection of food component and contaminant	I. H. Boyaci
17:20-18:00	Introduction to the e-cost system & Documents collection	M. Lambreva, Grant Manager
<b>19:00</b>	<b>DINNER Buffet, supported by local organizer</b>	

#### **May 12, 2012, Scientific presentations & WG Technical meetings**

<b>Time</b>	<b>WG 4, Moderator Prof. Esa Tyystjärvi</b>	<b>Speaker</b>
09:00-09:20	Differential photo-impedance spectroscopy: A new tool for investigating light-driven electrochemistry	F. La Mantia
09:20-09:40	Photoinhibition of Photosystem II and its importance for PSII-based technology.	E. Tyystjärvi
09:40-10:00	From whole cells towards photosynthetic reaction centres: dynamics and structural properties for biosensoristic purposes	D. Russo
10:00-10:20	Supramolecular organization of photosynthetic membranes	R.N. Frese
10:20-10:40	Structure and dynamic of complex materials by Micro-diffraction and XPCS	A. Ricci
10:40-11:00	Immobilization methods of photosynthetic materials: from biosensors towards renewable energy production	E. Touloupakis
11:20-11:50	Coffee Break	
11:50-13.30	WG1, WG2, WG3, WG4 technical meetings & preparation of APC documents . small halls)	ALL
13:30-15:30	Lunch	

