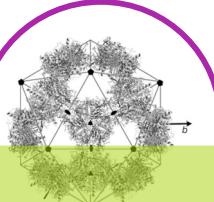
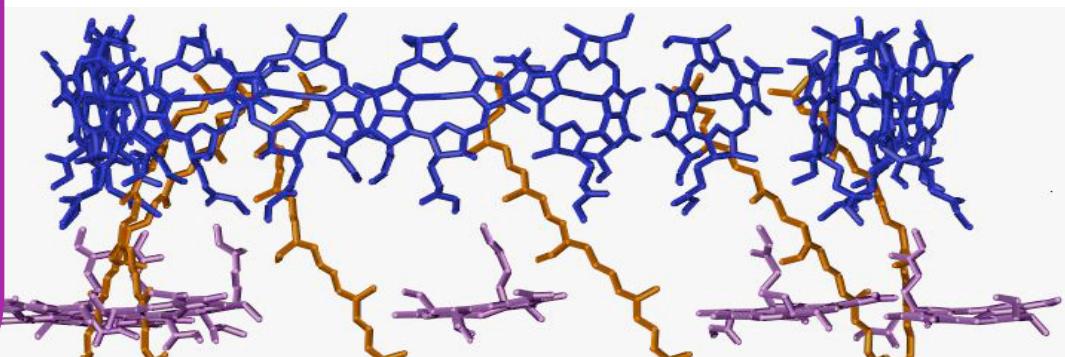
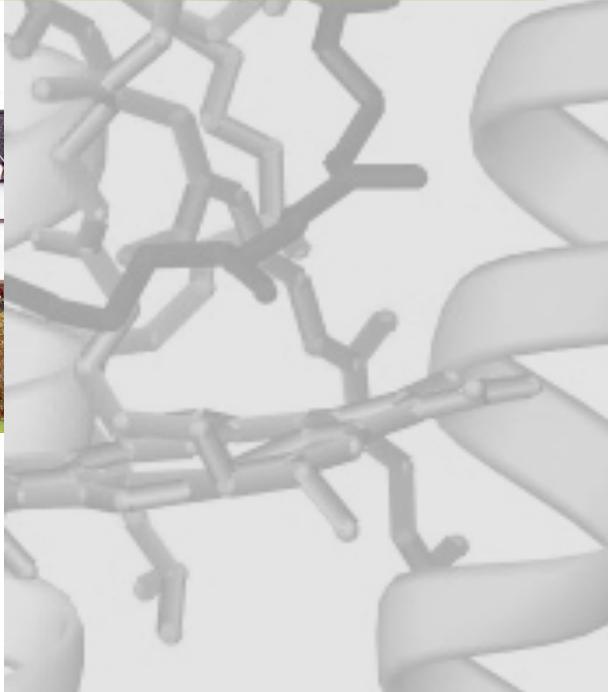
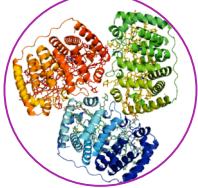
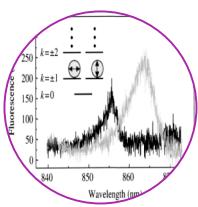
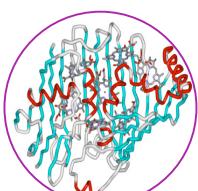


PS2007
DRYMen



Satellite Meeting 19th – 22nd July 2007
Buchanan Arms Hotel, Drymen, Scotland



Programme

Thursday 19th

17:00 – 17:50	Welcome reception
17:50 – 18:00	Opening remarks by Richard Cogdell
	<u>Single Molecule Studies on Antenna Complexes</u>
	Chair: Silvia Volker, Leiden
18:00 – 18:30	<i>‘Sunlight, purple bacteria and quantum mechanics’</i>
	Jürgen Köhler, Bayreuth
18:30 – 19:00	<i>‘The dynamic organization of the bacterial photosynthetic light-harvesting complexes: fluorescence microspectroscopy’</i>
	Danielis Rutkuskas, Florence
19:00 – 20:30	Evening meal

Friday 20th

	<u>Evolution of antenna systems</u>
	Chair: Mette Miller,
09:00 – 09:30	<i>‘Candidatus Chloracidobacterium thermophilum: an aerobic phototrophic Acidobacterium with chlorosomes and type 1 reaction centers’</i>
	Don Bryant, Penn. State
09:30 – 10:00	<i>‘Antenna composition in diatoms: role and localisation of different Fucoxanthin-Chlorophyll-Proteins of Cyclotella meneghiniana’</i>
	Claudia Büchel, Frankfurt
10:00 – 10:30	<i>‘The Chl a/c light-harvesting antennas of marine algae (not an unusual group!)’</i>
	Beverley Green, Vancouver

10:30 – 11:00	Coffee/Tea break
<u>In vivo Organisation of Antenna Complexes</u>	
	Chair: Herbert van Amerongen, Wageningen
11:00 – 11:30	<i>‘Excitation energy transfer in photosystem II complexes and in thylakoid membranes’</i>
	Jan Dekker, Amsterdam
11:30 – 12:00	<i>‘Atomic level structure and function of an entire biological membrane: the photosynthetic unit of Rhodobacter sphaeroides’</i>
	Melih Sener, Cornell
12:00 – 12:30	<i>‘The crystal structure of the FMO protein of <i>Pr. aestuarii</i> at 1.3 Å resolution’</i>
	Dale Tronrud, Oregon
12:30 – 14:00	Lunch
14:00 – 16:00	Poster session:
16:00 – 16:30	Coffee/Tea break
<u>Ultra-fast Dynamics on Antenna Complexes</u>	
	Chair: Alfred Holzwarth, Mülheim
16:30 – 17:00	<i>‘Theory of light-harvesting and optical spectra: From structure to function’</i>
	Thomas Renger, Berlin
17:00 – 17:30	<i>‘2D electronic spectroscopy studies of the LH3 light-harvesting complex’</i>
	Donatas Zigmantas, Lund
17:30 – 18:00	<i>‘The dual-branched electron transfer In</i>

the primary charge separation of Photosystem I'

Marc Müller, Mülheim

Artificial antenna systems

Mamouru Nango, Nagoya

18:00 – 18:30

'Artificial Light-Harvesting Antennas by Self-Assembly of Synthetic Chlorophylls'

Hitoshi Tamiaki, Ritsumeikan

18:30 – 19:00

'Self-assembling Chromophores as Mimics of the Chlorosomal Bacteriochlorophylls'

Silviu Balaban, Karlsruhe

19:00 – 20:30

Evening meal

Plenary Lecture

Chair: Yasushi Koyama, Sanda

20:30 – 21:30

Tba

Rienk van Grondelle, Amsterdam

Saturday 21th

Non Photochemical Quenching

Chair: Alexander Ruban, Sheffield

09:00 – 09:30

'The major antenna protein of higher plants: from light harvesting to energy dissipation'

Bruno Robert, CEA Saclay

09:30 – 10:00

'The dependence of NPQ on xanthophyll composition in vivo and in vitro'

Robert Bassi, Verona

10:00 – 10:30

'The xanthophyll dependence of qe in arabidopsis'

Kris Niyogi, Berkeley

10:30 – 11:00	Coffee/Tea break
<u>Regulation of Assembly of Antenna complexes</u>	
	Chair: Neil Hunter, Sheffield
11:00 – 11:30	<i>‘Roles of bacteriophytochromes in the regulation of LHC in Rhodopseudomonas palustris’</i>
	André Verméglia, CEA – Cadarache
11:30 – 12:00	<i>‘Assembly of purple bacterial photosynthetic complexes’</i>
	Thomas Beatty, Vancouver
12:00 – 12:30	<i>‘Phycobilisome biosynthesis: chromophore attachment to biliproteins’</i>
	Hugo Scheer, Munich
12:30 – 14:00	Lunch
14:00 – 16:00	Poster session:
16:00 – 16:30	Coffee/Tea break
<u>Use of Molecular Genetics/Biology to Study Antenna Complexes</u>	
	Chair: Conrad Mullineaux, Queen Mary
16:30 – 17:00	<i>‘In between algae and higher plants: analysis of the moss Physcomitrella patens allows identification of light harvesting proteins associated to terrestrial environment adaptation’</i>
	Tomas Morosinotto, Padova
17:00 – 17:30	<i>‘Towards a model system for light harvesting with carotenoids: structures of native and refolded Peridinin-Chlorophyll a-Proteins’</i>
	Eckhard Hofmann, Bochum

!7:30 – 18:00 *What can we learn from plants lacking light-harvesting proteins - in a molecular as well as in a whole plant perspective?*

Frank Klimmek, Umeå

Carotenoids and energy transfer

Chair: Hideki Hashimoto, Osaka

18:00 – 18:30 *'Excited state properties of the carotenoid salinixanthin, a light-harvesting pigment of xanthorhodopsin from halobacterium Salinibacter ruber'*

Tomáš Polívka, South Bohemia

18:30 – 19:00 *'Observation and control of excited state dynamics in carotenoids using pump-Degenerate-Four-Wave-Mixing'*

Marcus Motzkus, Marburg

19:00 – 20:30 Evening meal

General Discussion

Sunday 22nd

09:00 – 12:30 Short presentations selected from the submitted posters
Chair: Richard Cogdell, Glasgow & Bob Niederman, Rutgers

10:30 – 11:00 Coffee/Tea break

12:30 – 14:00 Lunch

14:00 Departure to SECC or Glasgow airport

