



BPS 2010



Scottish Marine Institute, *Oban, Argyll, Jan 6-10, 2010*

Draft Programme

	Time	Event	Location
Wed Jan 6th	12.30- 13.00	BPS Council lunch	SAMS Board Room
	13.00- 18.00	BPS Council meeting	SAMS Board Room
	19.30- 22.00	Registration	Oban Bay Hotel
	20.00- 22.00	Drinks reception	Oban Bay Hotel

Key:

Colour	Room
	SAMS Board Room
	William Speirs Bruce Room (WSB Room)
	Meeting Rooms 1&2

Date	Time	Event	Location/Speaker
Thurs Jan 7 th	08.45-	Bus departure in Oban	Caledonian Hotel & Oban Bay Hotel
	08.45-11.30	Registration	SAMS Foyer
			William Speirs Bruce Conference Room (WSB)
	09.15	Welcome	Laurence Mee (Director SAMS)
	09.30-12.30	Special Session I: Productivity and photophysiology Chair: Rupert Perkins	
	09.30	The Functional Evolution of Photochemical Energy Conversion	<u>John A. Raven</u>
	10.00	UV impacts on aquatic plants: is it really only negative as mostly reported?	<u>Dieter Hanelt</u>
	10.30	Diatom photophysiology: regulation and ecology	<u>Johann Lavaud</u>
	11.00	Coffee Break	
	11.30	Productivity in microalgal biofilms - adaptations for living in a muddy world	<u>Graham J. C. Underwood</u>
	12.00	Photosynthetic activity of stromatolites: can they survive burial?	<u>Jacco Kromkamp & Rupert Perkins</u>
	12.30	Lunch	

Thurs 7th	Session A: Algal Biogeography Chair: Mike Burrows		Student Lecture & Manton Session I Chair: Stephen Maberly		
	13.20			Student Lecture: An introduction to multivariate data analysis in ecology	<u>Tom Wilding</u>
	13.30	Anecdotal or actual: assessing change in seaweed floras	<u>Juliet Brodie</u> , Nigel Chaffey & Linda Irvine		
	13.50	Monitoring rocky shore macroalgae in Scotland for the Water Framework Directive	<u>Clare Scanlan</u> & Sarah Holt	<i>Dictyosphaerium</i> - a genus with underestimated genetic variability	<u>Bock,C.</u> , Krienitz, L. & Pröschold,T.
	14.10	Monitoring macroalgal blooms in Scotland for the Water Framework Directive	<u>Sarah Holt</u> & Clare Scanlan	Impact of ocean acidification on the growth and productivity of <i>Symbiodinium</i>	<u>Patrick Brading</u> , Phillip Davey, David Smith, Mark Warner & David Suggett
	14.30	Changes in the phytoplankton community in the North East of Scotland: observations since 1997	<u>E. Bresnan</u> , S. L. Hughes, S. Fraser, A. L. Amorim, K. Smith, M. Rose, G. Slessor, S. Hay, J. Rasmussen & M.R. Heath	Performance of microalgae for power-plant CO ₂ mitigation	<u>Chris Hulatt</u> & David N Thomas
	14.50	An investigation into the numbers of <i>Skeletonema</i> spp. In Loch Creran, a Scottish Sea Loch.	<u>Callum Whyte</u>	The photophysiology of benthic rocky shore diatoms	<u>Naomi Ginnever</u> & Rupert Perkins
	15.10	Coffee Break			
		Session B: Algal Biofuels & CO ₂ sequestration Chair: Michele Stanley		Manton Session II Chair : Dave Green	
	15.30	Algal biofuels – an assessment based on recent studies and experience in Ireland	<u>Matthew Dring</u> & Graham Savidge	Using microsatellites to determine bloom composition under conditions of viral and nutrient stress in the marine coccolithophorid <i>Emiliana huxleyi</i>	<u>Daria Hinz</u> , Aud Larsen, Marianne Enger, Willie Wilson, Tom Bibby & Debora Iglesias-Rodriguez
	15.50	Biodiesel from microalgae – progress and challenges	<u>Saul Purton</u> , Chloe McCann, Sofie Secher & Joanna Szaub	Proteomic investigation of the compatible interaction between <i>Ectocarpus siliculosus</i> and the oomycete pathogen <i>Eurychasma dicksonii</i>	<u>Martina Strittmatter</u> , Claire MM Gachon, Pieter van West & Frithjof C Küpper
	16.10	Physiological response of <i>Chlorella vulgaris</i> to an environmental stress caused by high carbon dioxide concentration	<u>Clément-Larosière Barbara</u> , Lopes Filipa, Minier Michel, Dominique Pareau & Isambert Arsène	Novel approaches to molecular diagnostics of the bioindicator species in the Golden horn estuary with special emphasis on <i>Prorocentrum minimum</i> and <i>Skeletonema costatum</i>	<u>F. Koyuncu</u> , S. Tas, E. Muftuoglu, Z. Ulupinar & I. Uzonur

Thurs 7th	16.30	Differential effects of increased CO ₂ concentration and acidification on photosynthesis and growth of green and brown macroalgae	<u>Michael Roleda</u> , Anique Stecher, Lars Gutow, Inka Bartsch & Christian Wiencke	The Struggle For Light – Diatom Growth and Spectral Irradiance In Blackwater Estuaries	<u>Evelyn Lawrenz</u> & Tammi L. Richardson
	16.50	Biofuel production and oil accumulation in micro-algae.	<u>Slocombe, S.P.</u> , Anderson, A., Black, K., Leakey, R., Day, J.G. & Stanley, M.	Co-occurrence of multiple cyanobacterial toxins: environmental, toxicological and management aspects	<u>E L Purdie</u> , J Lindsay, J S Metcalf & G A Codd
	17.10	The Algae Biofuels Challenge: overcoming barriers to microalgae biofuel commercialisation	<u>Ben Graziano</u>	Cyanotoxins in Irish Lakes: Detection and environmental change	<u>Karen Mooney</u> , Jack Hamilton, Bob Foy & Chris Elliott
	17.30	Coffee Break			
	17.45	Bus to Oban			
	17.45			Workshop: Careers in Phycology	Anuschka Miller
	19.00	Second bus to Oban			
	19.45	Evening event Meal & Quiz night : Taj Mahal Restaurant (Oban)			

Fri Jan 8 th	08.45	Bus departure Oban	Caledonian Hotel & Oban Bay Hotel
	09.05	House keeping announcements	
	09.10-11.10	Special Session II: Host pathogen interactions Chair: Claire Gachon	
	09.10	Host-parasite interation of marine oomycetes <i>Olpidiopsis</i> sp. and <i>Pythium</i> sp.	<u>Gwang Hoon Kim</u> & Tatyana A. Klochkova
	09.40	Heterotrophic flagellates and hidden putative functions from zoosporic fungi in pelagic ecosystems	<u>Télesphore Sime-Ngando</u>
	10.10	Berry stone viruses: 30-years of climate control and face cream.	<u>Wilson, Willie</u>
	10.40	Ecological significance of parasitism by Syndiniales on the regulation of toxic and non-toxic dinoflagellate proliferations	<u>Aurélie Chambouvet</u> & Laure Guillou
	11.10	Coffee Break and Poster Session	

Fri 8th	Session C: Algal Molecular Biology Chair: (TBC)		Session D: Biotech / Physiol Chair: (TBC)		Session E: Biodiversity Chair: (TBC)		
	11.40	Barcoding diatoms: a candid view of successes and failures on the way to utopia	<u>D.G. Mann</u> , R. Trobajo, P. Vanormelingen & K.M. Evans	Phylogenetically-based variation in the regulation of the Calvin cycle enzymes, phosphoribulokinase and glyceraldehyde-3-phosphate dehydrogenase, in algae	<u>Stephen C. Maberly</u> , Carine Courcelle, Rene Groben & Brigitte Gontero	A question of generitypes, nomenclatural conservation and priority - <i>Dickieia</i> Berkeley and <i>Staurophora</i> Mereschkowsky refer to the same diatom genus.	<u>Eileen Cox</u>
	12.00	Dynamic gene evolution in the <i>Ectocarpus</i> ROCO-LRR and NB-ARC-TPR proteins suggest a potential role in immunity	<u>Antonios Zambounis</u> , Marek Elias, & Claire M.M. Gachon	Biochemical analysis of low-temperature induced antioxidants and its enzymes from a freshwater green alga, <i>Spirogyra varians</i>	<u>Jong Won Han</u> & Gwang Hoon Kim	Advances in the knowledge of diatoms with blue apices	<u>Romain Gastineau</u> , Nikolai Davidovich, Pierre Gaudin, Michèle Morançais, Joël Fleurence, Yves Rincé, Claire Hellio, Jean-François Bardeau & Jean-Luc Mouget
	12.20	A sequence-tagged genetic map for the brown alga <i>Ectocarpus siliculosus</i> provides large-scale assembly of the genome sequence	<u>S. Heesch</u> , G.Y. Cho, A.F. Peters, G. Le Corguillé, C. Falentin, G. Boutet, S. Coëdel, C. Jubin, G. Samson, E. Corre, S.M. Coelho & J.M. Cock	Uncoupling of <i>Emiliania huxleyi</i> photosynthesis: virus infection versus nutrient stress	<u>Susan A. Kimmance</u> , Mike Allen & William H. Wilson	How can closely related species coexist for over one hundred thousand years?	<u>Jewson, D</u>
	12.40	Ligulate <i>Desmarestia</i> (Desmarestiales, Phaeophyceae) revisited: <i>D. japonica</i> sp. nov. and <i>D. dudresnayi</i> Lamouroux differ from <i>D. ligulata</i>	Eun Chan Yang, Akira F. Peters, Ignacio Bárbara, Dieter Gerhard Müller, Willem F. Prud'Homme van Reine, Hiroshi Kawai & <u>Frithjof C. Küpper</u>	Diel periodicity and effects of nitrogen on chrysolaminaran metabolism in the marine diatom <i>Thalassiosira pseudonana</i>	Espen Granum, Karen Bailey, Lee Hunt, Julie E. Gray & Richard C. Leegood	Is the European <i>Karenia mikimotoi</i> an Alien?	Manal Al-Kandari, Declan Schroeder, Marian Yallop, Martin Edwards & Paul Hayes
	13.00	The Hilda Canter-Lund prize announcement	Martyn Kelly				

Fri 8th	13.10	Lunch			
	13.45	Presidential Address: Prof Patrizia Albertano	Natural and reconstituted phototrophic biofilms in water		
		Session F: Seaweed Farming Chair (TBC)		Manton III Chair (TBC)	
	14.30	Influence of water motion on the growth rate of <i>Laminaria hyperborean</i>	<u>Louise Kregting</u> Graham Savidge & Andrew Blight	The effect of antibiotics on microbial DMSP catabolism.	<u>Andrew Mogg</u> , Natalie Wager, David Green, Mark Hart & Angela Hatton
	14.50	An individual growth model for the kelp <i>Saccharina latissima</i> with applications to ecology and aquaculture	<u>O. J. Broch</u> , D. Slagstad, M. O. Alver & I. H. Ellingsen	Development of methods for assessing the quantitative ecology of phytoplankton chytrid parasites	<u>S. Rasconi</u> , M. Jobard & T. Sime- Ngando
	15.10	Development of a methodology for the quantitative assessment of Ireland's inshore kelp resource.	<u>Blight, A.</u> , Egerton, J., McAllen, R., Foster-Smith, R. & Savidge, G.	Investigating the role of hypo-osmotic stress during early stage propagule development in shaping <i>Fucus</i> community composition.	<u>Rauh, N.L.P.</u> , Hetherington, A.M., Hawkins, S.J. & Brownlee, C.
	15.30	Growth experiments of <i>Saccharina latissima</i> in a mesocosm and open system	<u>S. Forbord</u> , O.J. Broch, X. Wang & K.I. Reitan	Is a changing environment affecting phlorotannin production and germination in zoospores of three kelp species from Spitsbergen?	<u>Steinhoff, F.S.</u> , Bischof, K. & Wiencke, C.
	15.50	Coffee Break			

Fri 8th	Session G: Toxins Chair (TBC)		Session H: Applied Phycology Chair (TBC)	
16.15	Discrimination of toxic and non-toxic <i>Alexandrium</i> within a routine phytoplankton monitoring programme	<u>Sarah C. Swan</u> & Keith Davidson	Proteomic and genomic studies on the wound response of a marine red alga <i>Griffithsia monilis</i>	<u>Tatyana A. Klochkova</u> , Ji Won Yu, Jong Won Han & Gwang Hoon Kim
16.35	Cyanobacterial toxins in desert environments	<u>J. S. Metcalf</u> , R. Richer, S. A. Banack, P. A. Cox & G. A. Codd	Effect of multi-frequency ultrasound on Green algae, Diatoms and Cyanobacteria	<u>Diane Purcell</u> , Simon A. Parsons & Bruce Jefferson
17.00	British Phycological Society AGM			
18.10	Bus to Oban			
18.10	BPS Council Meeting			
19.30	Evening event Conference Dinner & Ceilidh : Oban Bay Hotel			