






## PROGRAMME

### Monday 7<sup>th</sup> January – all events at Royal Hotel, Argyll Square, Oban

15:00 – 18:00	Registration
15:30 – 17:30	BPS Council Meeting (Council members only)
18:00 – 19:30	Welcome Reception

### Tuesday 8<sup>th</sup> January

08:30	Bus will leave Oban Station Square for SAMS, service bus also leaves at 08:35	
08:30 – 09:00	Registration at SAMS Reception	
09:00 – 09:10	Introduction & Welcome by SAMS Director, Prof. Nicholas Owens - WSB Conference Room	
09:10 – 10:30	Symposium 1: Interactions of algae with microbes and grazers in present and future oceans. Convener: Mahasweta Saha <b>WSB Conference Room</b>	Symposium 2: Algal Physiology in the limelight Convener: Mikhail Zubkov <b>Meeting Room 1/2</b>
09:10 – 09:50	Daniela Schatz: "Message in a bubble – communication via extracellular vesicles shapes algal bloom dynamics" S1.1	Per Juel Hansen: "Non-constitutive planktonic mixotrophs – functional biology and physiology" S2.1
09:50 – 10:30	Patrick Fink: "The chemical ecology of algae-herbivore interactions in changing oceans" S1.2	Vera Pospelova: "Applications of dinoflagellate cysts in (paleo)environmental studies" S2.2
10:30 – 11:00	Coffee break – exhibition – poster session – Meeting Room 3	
11:00 – 12:40	Manton Prize session <b>WSB Conference Room</b>	
11:00 – 11:20	Noah Bruderer "Histological, molecular and physiological investigation of a novel gall-forming green algal pathogen" MP1	
11:20 – 11:40	Suzana Gonçalves Leles "Biogeography of mixotrophic plankton in the oceans: global patterns, sampling bias and the role of diversity" MP2	
11:40 – 12:00	Cecilia Biancacci "The application of a bioreactor for laboratory cultivation of <i>Osmundea pinnatifida</i> " MP3	
12:00 – 12:20	Paul Dees "Improving the prediction of harmful algal blooms around the Shetland Islands" MP4	
12:20 – 12:40	Alison Hughes "The Big Blue – influence of 405 nm light on marine microalgae" MP5	
12:40 – 13:55	Lunch – exhibition – poster session – Meeting Room 3	
13:55 – 16:00	General Phycology session Convener: <b>WSB Conference Room</b>	Symposium 1: Interactions of algae with microbes and grazers in present and future oceans. Convener: Mahasweta Saha <b>Meeting Room 1/2</b>
13:55 – 14:15	Kathryn Schoenrock "Wee scunner or marine stunner? Making kelp great again" GP1	Jiasui Li "Beneficial bacteria are associated with disease prevention in the model macroalga <i>Delisea pulchra</i> (Rhodophyta)" S1.3
14:15 – 14:35	Rob Mrowicki "Discovering seaweed diversity in the Falkland	Pedro Murúa "Host and pathogen autophagy are central to the inducible

	Islands: implications for South Atlantic marine conservation” GP2	resistance of brown algae against intracellular parasitic water moulds” S1.4
14:35 – 14:55	Jason Hall-Spencer “Effects of ocean acidification on algae in the NW Pacific” GP3	Marine Vallet “Metabolomics approaches to address microbial complexity in phytoplankton communities” S1.5
14:55 – 15:15	Anicia Hurtado “Eucheumatoid farming in the Philippines: Sweet successes and curious challenges” GP4	Andrea Garvetto “First molecular characterization of a chytrid parasite of marine <i>Skeletonema</i> ” S1.6
15:15 – 15:35	Sze Wan Poong. “Update on the systematics of the crustose brown algae from 2007 to 2017” GP5	Charlotte Falaise “Harmful or harmless: effects of marennine on marine invertebrates and bacteria from the genus <i>Vibrio</i> ” S1.7
15:35 – 15:55	Jessica Adams “Turning a problem into a solution – making products from nuisance green macroalgal blooms” GP6	Claire Gachon “From the Genome-Wide Association Study of natural kelp populations to marker-assisted selection for the seaweed industry” S1.8
15:55 – 16:15	Michelle Casanova “Charophytes, climate change and agricultural intensification” GP7	Alexandra Kinnby “Effects of ocean acidification on <i>Fucus vesiculosus</i> and a common grazer, <i>Littorina littorea</i> ” S1.9
<b>16:15 – 17:00</b>	Refreshments – exhibition – poster session – Meeting Room 3	
<b>17:00 – 17:10</b>	<b>Launch of Applied Phycology</b> , a new peer-reviewed journal of the BPS – WSB Conference Room	 
<b>17:10 – 17:20</b>	<b>Launch of Algae UK</b> , a BBSRC Network in Industrial Biotechnology and Bioenergy – WSB Conference Room	
<b>17:20 – 18:20</b>	<b>Annual General Meeting of the BPS</b> (opened to all BPS members) WSB Conference Room	
<b>18:20 – 19:30</b>	<b>Taylor &amp; Francis-sponsored wine reception</b> – Meeting Room ½	
<b>19:30</b>	Bus leaves SAMS for Oban	

<b>Wednesday 9<sup>th</sup> January</b>		
<b>08:30</b>	Bus will leave Oban Station Square for SAMS, service bus also leaves at 08:35	
<b>08:30 – 09:10</b>	Registration at SAMS Reception	
<b>09:10 – 10:30</b>	General Phycology session Convener: <b>WSB Conference Room</b>	Symposium 3: Blue Carbon: The role of phytoplankton in long-term carbon burial. Conveners: Suzanne McGowan & Laurence Carvalho <b>Meeting Room 1/2</b>
09:10 – 09:30	Yacine Badis “Piloting genome editing of the brown algal model <i>Ectocarpus</i> ” GP8	Erika Whiteford: “Organic carbon sequestration by Arctic lakes” S3.1
09:30 – 09:50	Janina Brakel “Exploring the genetic resources of a marine crop – <i>Eucheuma</i> and <i>Kappaphycus</i> in the spotlight” GP9	
09:50 – 10:10	Shareen A Abdul Malik “Composition, symbiosis and pathogenesis, an equilateral relationship of the surface-associated microbiome of the cultivated Mexican Rhodophyta, <i>Halymenia floresii</i> ” GP10	
10:10 – 10:30	Jean-Luc Mouget “The genus <i>Haslea</i> : dress up something old as something new” GP11	Peter Leavitt: “Factors regulating the role of phytoplankton as vectors of carbon sequestration in lake sediments” S3.2
<b>10:30 – 11:00</b>	Coffee break – exhibition – poster session – Meeting Room 3	
<b>11:00 – 12:40</b>	Manton Prize session <b>WSB Conference Room</b>	
11:00 – 11:20	Keelan Lawlor “The importance of optimising lipid extraction methods: comparisons of four extraction methods on lipid yields, lipid class and fatty acid profile of six marine microalgae” MP6	
11:20 – 11:40	Regina Kolzenburg “Understanding the margin squeeze: differentiation in fitness-related traits between central and trailing edge populations of <i>Corallina officinalis</i> ” MP7	
11:40 – 12:00	Arley Muth “Spatial and temporal variations in carbonate chemistry parameters on the Alaskan Arctic coast and implications for crustose coralline algae distribution” MP8	
12:00 – 12:20	Joe Penhaul-Smith “Application of microalgal mixotrophy to <i>Mytilus edulis</i> feeding” MP9	
12:20 – 12:40	Annabel Higgins Hoare “Development of novel wound dressing formulations incorporating antimicrobial compounds extracted from seaweeds” MP10	
<b>12:40 – 13:55</b>	Lunch – exhibition – poster session – Meeting Room 3	
<b>13:55 – 15:35</b>	General Phycology session Convener: <b>WSB Conference Room</b>	Symposium 2: Algal Physiology in the limelight Convener: Mikhail Zubkov <b>Meeting Room 1/2</b>
13:55 – 14:15	Chris Yesson “The potential of NGS for population genetics: examples using <i>Corallina officinalis</i> and <i>Laminaria digitate</i> ” GP12	Jane Lewis “Environmental control of germination of <i>Alexandrium catanella</i> cysts from the Gulf of Maine, implications in a changing climate” S2.3

14:15 – 14:35	Maria Rovilla Luhan “Preliminary assessment of disease and pest occurrences on major seaweed farming areas in Central and Southern Philippines” GP13	Anne Jungblut “Using historic and modern <i>Nostoc</i> cyanobacteria to study genome adaptation, secondary metabolites and viral interaction” S2.4
14:35 – 14:55	Adam Lewis “Evaluating toxin profile similarities between PST producing <i>Alexandrium</i> sp. and experimentally exposed <i>Mytilus</i> sp. using species relevant to Great Britain” GP14	Seth Thomas “Using novel biological rates to assess the biological function and global prevalence of diatom synthesised DMSP” S2.5
14:55 – 15:15	Josephine Tsui “Feminisation of seaweed?” GP15	Dónal McGee “Microalgal productivity: from ecophysiology to industrial optimisation” S2.6
15:15 – 15:35	Suzannah-Lynn Billing “Social license to operate for the cultivation of seaweed in Europe” GP16	Alastair Skeffington “Proteomics of coccolithophore calcification” S2.7
<b>15:35 – 17:00</b>	Refreshments – exhibition – poster session – tours – workshops	
<b>15:35 – 16:00</b>	Institute Tours	
<b>16:00 – 16:40</b>	Taylor and Francis Workshop “How to get published?” – Meeting Room 1/2	
<b>17:00 – 18:00</b>	<b>Hiroshi Kawai – Presidential Address</b> – WSB Conference Room	
<b>18:00</b>	Bus leaves SAMS for Oban	
<b>19:30 – 23:00</b>	Conference Dinner and Ceilidh - Royal Hotel, Oban Including Manton Prize announcement and Prize Draw	

<b>Thursday 10<sup>th</sup> January</b>			
<b>08:30</b>	Bus will leave Oban Station Square for SAMS, service bus also leaves at 08:35		
<b>08:30 – 09:10</b>	Registration at SAMS Reception		
<b>09:10 – 11:00</b>	Symposium 3: Blue Carbon: The role of phytoplankton in long-term carbon burial. Conveners: Suzanne McGowan & Laurence Carvalho <b>WSB Conference Room</b>	<b>09:10 – 11:00</b>	Symposium 2: Algal Physiology in the limelight Convener: Mikhail Zubkov <b>Meeting Room 1/2</b>
09:10	Jason Salt “Seaglidiers reveal mesoscale patchiness of phytoplankton in the Subpolar North Atlantic” S3.3	09:10	Frithjof Küpper “Nano X-ray fluorescence tomography (SR-nXRF) for imaging element distribution at the subcellular level in algae” S2.8
09:25	Amanda Burson “Nutrient stoichiometry: shaping the composition of the North Sea phytoplankton community” S3.4	09:30	Dennis Nürnberg “Living in the shade – how cyanobacteria use far-red light” S2.9
09:40	Alex Poulton “Ecological factors influencing phytoplankton bio-mineralisation and the fate of opal and calcium carbonate” S3.5	09:50	Juliet Brodie “Mobile and mysterious: iridescent bodies and structural colour the red algae (Rhodophyta)” S2.10
09:55	Suzanne McGowan “Blue carbon: the role of phytoplankton in long-term carbon burial” S3.6		
10:10	Laurence Carvalho “Chlorophyll status and trends of the world’s largest lakes” S3.7	10:10	Phil Kerrison “The curious life-cycle of <i>Palmaria palmate</i> (Linnaeus) Weber & Mohr” S2.11
10:25	Round-table discussion	10:30	Mikey Ross “ABACUS: Algae for a biomass applied to the production of added-value compounds” S2.12
<b>11:00 – 11:30</b>	Refreshment – Packed Lunch – Meeting Room 3		
<b>11:30</b>	Bus leaves SAMS for Oban		