

**The President, Chairman and Director of the
Freshwater Biological Association present:**

**The FBA Annual Scientific Meeting 2011
12 - 13 July 2011**

The River Laboratory, East Stoke, Wareham, Dorset, UK

PROGRAMME

Tuesday 12 July

Registration

Scientific Meeting

Chairs:

<i>M Dobson</i>	<i>Session 1</i>
<i>J Grey</i>	<i>Session 2</i>
<i>T E L Langford</i>	<i>Session 3</i>
<i>J I Jones</i>	<i>Session 4</i>

Conference Barbecue

Wednesday 13 July

Scientific Meeting

Chairs:

<i>S C Maberly</i>	<i>Session 5</i>
<i>C Sayer</i>	<i>Session 6</i>
<i>P D Armitage</i>	<i>Session 7</i>

Annual General Meeting

FBA Annual Scientific Meeting 2011

Tuesday 12 July

08:30 – 09:00	Registration
09:00 – 09:10	Opening Remarks
Session 1	Echoes in the ecosystem: top-down and bottom-up responses of Windermere to environmental perturbation
09:10 – 09:30	<u>Maberly S.C.</u> , Jones I.D., Thackeray S.J. and Winfield I.J. Centre for Ecology and Hydrology, Lancaster
09:30 – 09:50	Archives and isotopes: changes afoot in the food web of Windermere <u>Grey J.</u> (1), Smyntek P. (1), Maberly S.C. (2), Winfield, I.J. (2) et al (1) Queen Mary University of London; (2) Centre for Ecology and Hydrology, Lancaster
09:50 – 10:10	Renconciling differences in the temperature-dependence of ecosystem respiration across time scales and ecosystem types <u>Yvon-Durocher G.</u> Queen Mary University of London
10:10 – 10:30	The effects of warming on benthic community structure in a mesocosm experiment <u>Dossena M.</u> , Woodward G., Grey J. and Yvon-Durocher G. Queen Mary University of London
10:30 – 11:00	Coffee and Posters
Session 2	Widespread occurrence of methane-derived carbon in free-flowing lowland streams
11:00 – 11:20	<u>Tuffin S.</u> , Trimmer M., Grey J. and Hildrew A.G. Queen Mary University of London
11:20 – 11:40	Ancient river carbon: true subsidies in space and time <u>Trimmer M.</u> (1), Grey J. (1) and Reimer P. (2) (1) Queen Mary University of London; (2) Queen's University, Belfast
11:40 – 12:00	Determining the relative contribution of methane derived carbon versus photosynthetically derived carbon to chalk stream food webs <u>Shelley F.</u> , Ings N., Grey J. and Trimmer M. Queen Mary University of London
12:00 – 12:20	Manipulating the chemosynthetic and photosynthetic support of river food webs <u>Ings N.L.</u> , Hildrew A.G., Trimmer M. and Grey J. Queen Mary University of London
12:20 – 12:40	Quantifying the ecological effects of fine sediment in rivers <u>Jones J.I.</u> (1), Collins A.L. (2), Naden P.S. (3), Sear D.A. (4) et al (1) Queen Mary University of London River Communities Group; (2) ADAS; (3) Centre for Ecology and Hydrology, Wallingford; (4) University of Southampton

Tuesday 12 July continued...

12:40 – 13:40	Lunch and Posters
Session 3	The effectiveness of a catchment-scale, ecosystem management approach to deliver water quality improvements: A case study of the Aller and Horner catchments, The National Trust Holnicote Estate, Exmoor
13:40 – 14:00	<u>Glendell M.</u> and Brazier R.E. University of Exeter
14:00 – 14:20	Canals, A long history of changing ecosystems? <u>Proffitt H.</u> (1), Langford T.E.L. (2), Shaw P.J. (2), Ellis H (2) and Coe A (2) (1) British Waterways; (2) University of Southampton
14:20 – 14:40	Impacts of a charismatic herbivore species on macrophytes in an iconic riverine ecosystem: evidence of a conservation conflict? <u>Wood K.</u> (1,2), Stillman R. (2), Clarke R. (2), Daunt F. (1) and O'Hare M. (1) (1) Centre for Ecology and Hydrology, Edinburgh; (2) Bournemouth University
14:40 – 15:00	Temporal changes in the macroinvertebrate fauna of the River Teifi, South Wales <u>Bradley D.C.</u> (1) and Rutt G.P. (2) (1) APEM Ltd; (2) Environment Agency Wales
15:00 – 15:20	Low dissolved oxygen levels in the river Lea downstream of a sewage treatment works in NE London: initial results of a case study <u>Patroncini D.</u> and Rawson D.M. University of Bedfordshire
15:20 – 15:50	Coffee and Posters
Session 4	Can agri-environment schemes protect and enhance freshwater ecosystems?
15:50 – 16:10	<u>Murphy J.F.</u> (1), Naden P. (2), Anthony S. (3), Skates J. (4) et al (1) Queen Mary University of London River Communities Group; (2) Centre for Ecology and Hydrology, Wallingford; (3) ADAS; (4) Welsh Assembly Government
16:10 – 16:30	Urban Catchment Management down under: frameworks for urban stream management and aquatic ecosystems <u>Boothroyd, I. K G.</u> Golder Associates (New Zealand) Limited
16:30 – 16:50	Are discharge quality improvements reflected in long term changes to macroinvertebrate communities below a watercress farm? <u>Dixon M.J.</u> and Shaw P.J. University of Southampton
16:50 – 17:10	A review of academic researches and activities for the ecosystem conservation of farmland ponds: comparison between UK and Japan <u>Kizuka T.</u> Nagoya University, Japan and Oxford Brookes University
17:10 – 17:30	Should we be restoring ponds in arable landscapes? <u>Sayer C.D.</u> (1), Shilland E. (1), Andrews K. (1), Axmacher J. (1), Copp G. (2), Edmunds-Browne R. (3) and Edmunds N. (2) (1) University College London; (2) Cefas; (3) University of Hertfordshire
19:00 – 22:30	Conference Barbecue

Wednesday 13 July

<p>Session 5</p> <p>09:00 – 09:20</p>	<p><i>The limnology of an Omani wadi</i> <u>Barry M.J.</u>, Abed R.M.M. and Al Kindi S. Sultan Qaboos University, Oman</p>
<p>09:20 – 09:40</p>	<p><i>Tyre tracks and puddles – anthropogenic contributors to aquatic biodiversity</i> <u>Armitage P.D.</u> (1), Hawczak A. (2) and Blackburn J.H. (2) (1) Freshwater Biological Association; (2) Queen Mary University of London River Communities Group</p>
<p>09:40 – 10:00</p>	<p><i>Environmental drivers, life strategies and bioindicator capacity of bryophyte communities in high-latitude headwater streams</i> <u>Lang P.</u> (1,2) and Murphy K.J. (2) (1) Scottish Environment Protection Agency; (2) University of Glasgow</p>
<p>10:00 – 10:20</p>	<p><i>The Groundwater Animals Project: an investigation into the diversity and distribution of groundwater fauna in the South West of England</i> <u>Johns T.</u> (1), Robertson A. (1), Knight L. (2), Maurice L. (3) and Wood P. (4) (1) Roehampton University; (2) Hypogean Crustacea Recorder; (3) British Geological Survey; (4) Loughborough University</p>
<p>10:20 – 10:50</p>	<p>Coffee and Posters</p>
<p>Session 6</p> <p>10:50 – 11:10</p>	<p><i>The ecological response of marl lakes to nutrient enrichment</i> <u>Wiik E.</u> (1), Bennion H. (1), Sayer C. (1), Davidson T. (1), Clarke S. (2), McGowan S. (3), Leng M. (4) (1) University College London; (2) Natural England; (3) University of Nottingham; (4) NERC (NIGL)</p>
<p>11:10 – 11:30</p>	<p><i>Recovery from acidification and trout invasion of a complex stream food web</i> <u>Jenkins G.B.</u>, Hildrew A.G., Layer K., Woodward. G. et al Queen Mary University of London</p>
<p>11:30 – 11:50</p>	<p><i>Consequences for lotic ecosystems of invasion by signal crayfish: a non-native keystone species?</i> <u>Hayes R.</u> and Grey J. Queen Mary University of London</p>
<p>12:00 – 13:00</p>	<p>FBA Annual General Meeting</p>
<p>13:00 – 14:00</p>	<p>Lunch and Posters</p>
<p>Session 7</p> <p>14:00 – 14:20</p>	<p><i>Waves of invaders: community and ecosystem level impacts of multiple invasive species</i> <u>Jackson M.</u>, Grey J. et al Queen Mary University of London</p>
<p>14:20 – 14:40</p>	<p><i>Effects of shade and channel form on diversity and distribution of stream macro-invertebrates</i> <u>Steyl I.</u>, Langford T.E.L. and Bray S. University of Southampton</p>
<p>14:40 – 15:00</p>	<p><i>Distribution of stream fish in relation to riparian shade and implications for climate change</i> <u>Langford T.E.L.</u> (1), Broadmeadow S. (2), Shaw, P.J. (1) and Jones J.G. (1) (1) University of Southampton; (2) Forest Research</p>
<p>15:00</p>	<p>Close</p>