

2014 JOINT AQUATIC SCIENCES MEETING

18 – 23 May 2014 – Portland, Oregon, USA

PROGRAM ADDENDUM

This addendum reflects any changes relevant to the meeting schedule and the scientific program that came about after the printing of the Conference Program. The revisions to the scientific program that follow are noted and organized by day.

MISCELLANEOUS ADDITIONS and CHANGES TO THE CONFERENCE PROGRAM

(As of 23 May 2014)

Changes to this version are highlighted in YELLOW. Previous version dated May 21, 2014.

FIELD TRIPS, WORKSHOPS, MEETINGS, AUXILIARY EVENTS

MISCELLANEOUS INFORMATION

Check Cashing Information

Check cashing is available at one of several Western Union locations in Portland. The closest to Oregon Convention Center is the US Bank, 636 SE Grand Avenue. Hours of service are 0900 to 1800, telephone number 503-275-6327. Located approximately 1-1/2 miles from the Oregon Convention Center, it is accessible via a pedestrian-friendly route. Taking the Portland Streetcar CL Line is another option. Proper identification is required for check-cashing services. A driver's license or passport would be good documents to present.

SUNDAY

Rock Creek Watershed Field Trip – Field trip description added

Trip Leader: Tracey Dulin, PWS, Water Resources Project Manager, Clean Water Services

Sunday, 18 May

Clean Water Services and their partners are currently working on a series of restoration projects with the urban Rock creek watershed. Participants will see examples of adaptive management strategies used during the initial 5 years of establishment that significantly improve the function of urban stream corridors. Springville creek enhancement project highlights several experimental treatments on reed canarygrass along with the establishment of diverse emergent and scrub shrub wetlands within the floodplain. The North Bethany Sanitary Trunkline project highlights the opportunity to strengthen urban wetlands and riparian forest communities along with public infrastructure projects. Both projects provide several lessons learned when working in urban wetlands and well as opportunities to discuss how we measure ecological function and communicate our successes to the public.

MONDAY

SFS Business Meeting – Room /location changed from C123-124

Monday, 19 May

18:00 to 20:00

Event will take place in the Oregon Ballroom.

5/23/2014 7:38 AM

Post-Doc and Early Career Social Mixer – Listed in program as Post-Doc Social Mixer

Date: Monday, May 19, 2014 **Time:** 8:00 pm

Location: Ballroom Section 252

This is an informal social mixer for all post docs and early career professionals. Beverages and snacks will be available. All young professionals are encouraged to attend.

Milt and Amy Ward Retirement Reception – Event added to schedule

Monday, 19 May 2014

20:00 to 22:00, Room A 108, OCC

TUESDAY

Large-Scale Cultivation of Microalgae with Commercial Potential: Products and Processes

Tuesday, May 20, 2014

18:00, **New Location:** B 113

Workshop location changed from Room A 105.

WEDNESDAY

No changes or additions to miscellaneous, workshops, meetings, auxiliary events as of 5/23/2014 7:38 AM. See changes to Scientific Program listed below.

THURSDAY

Aquatic Tour at the Portland Art Museum – Event added to schedule

Thursday, May 22

18:00 to 20:00

Guided by Linda Mann

On this tour participants will be invited to look slowly at works of art that relate to water, by using initial prompts to set up involvement in looking and to encourage conversation and dialogue, Docent Linda Mann will guide this "aquatic" tour through select areas of the Portland Art Museum's world class galleries of American, European, Native American, Northwest Regional and Contemporary art collections. Come have fun at the Portland Art Museum! Cost is \$11 per person and includes a 45-minute guided tour followed by free time to explore the entire museum and gift shop. Participants will need to provide their own transportation to the Portland Art Museum. The museum is located two blocks from the Max line. Once at the museum, participants should go to the Park Avenue entrance and let the guest services agent know that they are part of the Joint Aquatic Sciences Meeting aquatic art tour.

Genome Research Working Group (RedToL) – Event added to schedule

Thursday, May 22

20:00 to 22:00

Location: Room C 125, Oregon Convention Center

FRIDAY

No changes or additions to miscellaneous, workshops, meetings, auxiliary events as of 5/23/2014 7:38 AM. See changes to Scientific Program listed below.

SCIENTIFIC PROGRAM REVISIONS BY DAY

Monday, 19 May – Oral Sessions

Session 022

10:30 – Vanderploeg, H. A. – Presenting author changed from H.A. Vanderploeg to D.M. Mason

Session 025

11:45 – Johnson, W.C. – Oral Presentation Withdrawn

17:00 – Zhu, Z. **Mazumder, A.**; CLIMATE VARIABILITY INDUCED SHIFTS IN NITROGEN LOADING FROM TERRESTRIAL TO AQUATIC ECOSYSTEMS – Presentation Withdrawn

17:15 – **Winston, B. A.**; Scott, J. T.; ELEVATED CO₂ MAY ALTER NUTRIENT CONTENT OF A NATURAL PHYTOPLANKTON POPULATION – Presentation time changed from 17:00

Session 045

11:15 – Marino, R. – Oral Presentation Withdrawn

Session 047

10:15 – Larson, J.H. – Oral Presentation Withdrawn

11:15 – Hudon, C., EFFECTS OF HYDROLOGY AND ANTHROPOGENIC ACTIVITIES ON NITROGEN FLUX FROM THE ST. LAWRENCE RIVER WATERSHED TO ITS ESTUARY – Oral Presentation Reinstated

Session 048

16:45 – Buckley, S. F.; **Briggs, M. A.**; Rupert, Y. K.; Lane, J. W.; DEVELOPMENT OF A PAIRED HEAT-PULSE AND HIGH-RESOLUTION FIBER OPTIC TEMPERATURE TRACING TECHNIQUE TO QUANTIFY GROUNDWATER UPWELLING IN STRONGLY GAINING STREAMS – Presenting Author Changed to Martin Briggs.

Session 062

16:45 – Trexler, J.C. – Oral Presentation Withdrawn

Session 081

13:30 – Lamb, R.D. – Oral Presentation Withdrawn

Session 087

14:45 – Chuang, Y.L. – Oral Presentation Withdrawn

Session 118

11:45 – Sala, J. – Oral Presentation Withdrawn

Session 141 B

17:30 - Arancibia-Avila, P.E. – Oral Presentation Withdrawn

16:00 – Whigham, D.F., SEASONAL FLOODING OF A MANGROVE DOMINATED IMPOUNDMENT – EFFECTS ON N CYCLING – Presenting author changed to Verhoeven, J.T.

Session 142 A

11:45 – Taylor, B.W. – Oral Presentation Withdrawn

Session 142 B

15:00 – Sullivan, S.M. – Oral Presentation Withdrawn

Tuesday, 20 May – Oral Sessions

Session 002

10:45 - **Kao, Y.C.**, Alderstein-Gonzalez, S., Rutherford, E.S., Zhang, H.; IDENTIFYING ECOLOGICAL TIPPING POINTS FOR A GREAT LAKES FOOD WEB: AN ECOPATH WITH ECOSIM ANALYSIS – Presentation changed from poster (Poster #5) to oral

10:45 - **Verhougstrate, M.**, Martin, S., Kendall, A., Hyndman, D., Rose, J.; MICROBIAL TIPPING POINTS OF ESCHERICHIA COLI AND HUMAN SPECIFIC BACTERIA IN GREAT LAKES RIVER SYSTEMS – Presentation changed from oral to poster (Poster #5; See poster session listing that follows.)

15:15 - Pijanowski, B. C.; Miller , B. K.; Doucette, J. S.; Salazar, K. A.; TePas , K. S.; AN ONLINE DECISION SUPPORT SYSTEM TO ENGAGE GREAT LAKES COMMUNITIES IN DEVELOPING TIPPING POINT ACTION PLANS – Presenting Author Changed to Ed Rutherford.

Session 016

11:00 – Foote, D. – Oral Presentation Withdrawn

Session 028

14:45 – White, J.R. – Oral Presentation Withdrawn

Session 039

11:15 – Hebert, M. – Oral Presentation Withdrawn

14:45 – Caceres-Velasquez – Oral Presentation Withdrawn

Session 136 A

10:45 – Benbow, M.E. – Oral Presentation Withdrawn

Session 140 A

11:45 – Hunt, V. – Oral Presentation Withdrawn

Session 141 D

13:45 – Weihs, B.J. – Oral Presentation Withdrawn

Tuesday, 20 May – Poster Sessions

Session 002

Poster #5 – **Verhougstrate, M.**, Martin, S., Kendall, A., Hyndman, D., Rose, J.; MICROBIAL TIPPING POINTS OF ESCHERICHIA COLI AND HUMAN SPECIFIC BACTERIA IN GREAT LAKES RIVER SYSTEMS – Presentation changed from oral to poster (10:45).

Poster #5 – **Kao, Y.C.**, Alderstein-Gonzalez, S., Rutherford, E.S., Zhang, H.; IDENTIFYING ECOLOGICAL TIPPING POINTS FOR A GREAT LAKES FOOD WEB: AN ECOPATH WITH ECOSIM ANALYSIS – Presentation changed from poster (Poster #5) to oral.

Poster #7 – Burt, J.M. – Poster withdrawn

Session 019

Poster # 92 – Li, C.Y. – Poster Withdrawn

Session 077

Poster #714 – Cruces, Fabiola – Poster Withdrawn

Session 078

Poster #252 – Ryan, J.A. – Poster Withdrawn

Session 094

Poster #289 – Bult, C., WHY TO PUT CILIATES ON THE MAP? – Author name omitted from program index.

Session 099

Poster #183 - **Steffen, M. M.**; THE INTERSECTION OF MICROBIAL FUNCTION AND BIOGEOCHEMISTRY: THE ACTIVE TOXIC CYANOBACTERIAL BLOOM COMMUNITY – Session assignment changed to Session 099 on Tuesday from Session 044 on Thursday.

Session 118

Poster #359 - Schile, L. M.; Pitz, S. L.; **Megonigal, J. P.**; TREE-MEDIATED EMISSIONS OF METHANE FROM BALD CYPRESS TRUNKS - Presenting Author Changed

Session 121

Poster #364 – Mozder, T.J. - Poster withdrawn

Session 123 P

Poster #383 – Bartsch, L.A. – Poster Withdrawn

Poster #384 – Bartsch, M.R. – Poster withdrawn

Session 128 P

Poster #450 – Jackson, T. – Poster Withdrawn

Session 131 P

Poster #503 – Ramirez, M.A.; **Lipps, J.**; Tomasula, P.; Wu, M.; Lee, L.; Galster, J.; Pope, G., EFFECTS OF LAND USE ON WATER QUALITY OF THE PASSAIC RIVER THROUGH CALIFORM BACTERIA LEVELS – Presenting Author Changed

Session: 133 P

Poster #547 – Irwin, E. – Poster Withdrawn

Poster #548 – Burger, C.A. – Poster Withdrawn

Wednesday, 21 May – Oral Sessions

Session 003

11:30 – Qiu, X. – Oral Presentation Withdrawn

Session 036

16:45 – Kornis, M.S.; Breitburg, D.L.; Hazelton, E.; Heggie, K.; Soulen, H.; **Whigham, D.**, LINKING PREDATOR/PREY INTERACTIONS IN COASTAL FISH COMMUNITIES TO HABITAT HETEROGENEITY OF NATIVE AND INVASIVE INTERTIDAL WETLANDS – Presenting Author Changed

Session 044

16:15 – Ghadouani, A. – Presentation Withdrawn

Session 076

14:45 – Glodzik, K., – Oral Presentation Withdrawn

Session 088

11:30 - Rowan, J. O.; Kling, R. M.; INVESTIGATION OF SUBMERGED PEATLAND PROVIDES UNDERSTANDING OF THE ECOLOGY OF TWO IMPOUNDED AQUATIC ECOSYSTEMS - Presenting Author Changed to Patrick Togher

Session 105

15:15 – Morissette, J.L. ; Bayne, E. M.; Hobson, K. A.; RESPONSES OF WETLAND BIRD COMMUNITIES TO AGRICULTURAL CONVERSION: ARE THERE THRESHOLDS? – Presenting Author Changed to Beverly Gingras

Session 108

15:00 – **Haase, P.**; Li, F.; Sundermann, A.; Lorenz, A. W.; Stoll, S.; CLIMATE-DRIVEN THREE-DIMENSIONAL SHIFTS IN BIODIVERSITY IN CENTRAL EUROPE - Presenting Author Changed

Session 121

14:00 – Anisfeld, S.C. – Oral Presentation Withdrawn

14:00 – **Mozder, T.J.**, INCREASED ROOT PRODUCTIVITY BY INVASIVE PLANTS INCREASE TIDAL WETLAND VIABILITY UNDER NUTRIENT POLLUTION AND ELEVATED CO₂ – Presentation type revised from poster (#364) to oral

Session 123 B

14:15 – Richardson, B.M. – Oral Presentation Withdrawn

Session 130 A

10:30 – Conley, J. M.; **Buchwalter, D. B.**; WHY CAN'T AQUATIC INSECTS DEAL WITH HIGH TDS WATER? - Presenting Author Changed

Session 130 B

14:30 – Mathews, T. – Oral Presentation Withdrawn

Session 135

16:45 – Carlson, P.E. – Oral Presentation Withdrawn
17:30 – Premke, K. – Oral Presentation Withdrawn

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Session 146 B

16:15 – Schmidt, W.E. – Oral Presentation Withdrawn

Session 147

10:45 – Moldaenke, C., MONITORING THE APPEARANCE OF THE CYANOBACTERIA PLANKTOTHRIX RUBESCENS IN RESERVOIRS IN MIDDLE EUROPE: NEW APPROACHES FOR AUTOMATICAL IDENTIFICATION – Presenting Author Changed to Lohse, D.

Thursday, 22 May – Oral Sessions

Session 033

10:15 – Wasser, A. , FACILITATING INTEGRATION OF SPATIO-TEMPORAL ECOLOGICAL DATA INTO UNIVERSITY COURSES: NEON'S ONLINE LEARNING PORTAL – Presenting author Changed to Sandra Henderson.

10:45 – Peri, F. – Oral Presentation Withdrawn

Session 034

11:30 – Anthonyamy, W.J. – Oral Presentation Withdrawn

Session 035

13:30 – Watts, P.C. – Oral Presentation Withdrawn

Session 042

16:30 – Maynecke, O. – Oral Presentation Withdrawn

Session 055

16:45 – Marchio, D.A. – Oral Presentation Withdrawn

Session 70

14:30 – Celi, J.E. – Oral Presentation Withdrawn

Session 111

11:15 – Kraus, T. – Oral Presentation Withdrawn

Session 114

10:30 – Choung, C.B. – Oral Presentation Withdrawn

11:30 – Bingham, S.N. – Oral Presentation Withdrawn

Session 116

10:15 – Schuker, C. – Oral Presentation Withdrawn

11:00 – Hewson, I. – Oral Presentation Withdrawn

Session 122B

14:00 – Douglas, M.E. – Oral Presentation Withdrawn

14:15 – Douglas, M.R. – Oral Presentation Withdrawn

Session 124 B

14:15 – Zhang, Q. – Oral Presentation Withdrawn

Session 134 A

11:00 – Zhang, Y. – Oral Presentation Withdrawn

11:45 – Gao, X. – Oral Presentation Withdrawn

Session 134 B

14:15 – Gonzalez, R. – Oral Presentation Withdrawn

Session 139 B

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15:15 – Mehring, A. – Oral Presentation Withdrawn

Thursday, 22 May – Poster Sessions

Session 005

Poster #34 – Palmer, M.E. – Poster Withdrawn

Session 007

Poster #51 – Berukoff, S.J. – Poster Withdrawn

Session 024

Poster #102 – Willis, A. – Poster Withdrawn

Session 044

Poster #183 - **Steffen, M. M.**; THE INTERSECTION OF MICROBIAL FUNCTION AND BIOGEOCHEMISTRY: THE ACTIVE TOXIC CYANOBACTERIAL BLOOM COMMUNITY – Session assignment changed from Session 044 to Session 099 on Tuesday.

Session 095

Poster #291 – Morrow, J.H. – Poster Withdrawn

Session 103

Poster #303 – Eckert, W. – Poster Withdrawn

Session 112

Poster #340 – Reyes, J.A. ; **Johnson, S.**; **Morris, K.**; Kelley, K.M., POLLUTANT EFFECTS IN WILDLIFE – BIOMARKERS OF PHYSIOLOGICAL DISRUPTIONS IN ORGANISMS – Presenting author changed

Session 124 P

Poster #410 – Lockwood, A.S. – Poster Withdrawn

Session 126 P

Poster #715 - **Allinger, L. E.**; Reavie, E. D.; LAKE ONTARIO'S STORY AS TOLD BY PHYTOPLANKTON – Oral presentation changed to a poster

Session 134 P

Poster #561 – Pillsbury, R. – Poster Withdrawn

Poster #556 – Yoshimura, M. – Poster Withdrawn

Session 139 P

Poster #605 – Hiatt, D. – Poster Withdrawn

Friday, 23 May – Oral Sessions

Session 005

15:15 – Finlayson, C.M. – Presentation Withdrawn

Session 007

14:15 – Ostrovsky, I. – Oral Presentation withdrawn

Session 014

14:15 **Svenning, M. A.**; Lowen, T.; Reist, J.; CLIMATE INDUCED CHANGE IN LIFE HISTORY STRATEGY IN HIGH ARCTIC SVALBARD CHARR – Oral Presentation Withdrawn

14:15 **Rautio, M.**; Rantala, M. V.; Nevalainen, L.; CLADOCERAN CARAPACE PIGMENTATION INCREASES WITH INCREASING WATER COLUMN UV TRANSPARENCY: PALEOLIMNOLOGICAL EVIDENCE FROM ARCTIC AND ALPINE LAKES – Presentation Time Revised from 17:30

16:30 **Culp, J.**; Lento, J.; Chin, K.; Kokelj, S.; PERMAFROST MEGASLUMPS INDUCE STATE CHANGE IN ARCTIC STREAM BENTHOS – Presentation Time Revised from 1st Addendum Draft

17:30 Christensen, N.; **Siver, P. A.**; Lott, A. M.; Wolfe, A. P.; POTENTIAL USE OF CHRYSOPHYTE CYST MORPHOMETRICS AS A TOOL FOR RECONSTRUCTING ARCTIC EOCENE ENVIRONMENTS – Presentation Time Revised from 17:45

Session 037 - Rapid Changes in Water Temperature: Quantifying, Understanding, and Managing Heterogeneity in Freshwater Thermal Regimes over Space and Time

Correction to Location – Correct Room: E 145 – 146

11:00 - **Ebersole, J.L.**; Torgersen, C.E.; Keenan, D.M.; Fullerton, A.; Labiosa, R.G. PROTECTING, AND RESTORING (?) FINE-SCALE THERMAL HETEROGENEITY IN STREAMS – Presentation time changed from 16:00 to 11:00

16:00 - **Torgersen, C.E.**; Ebersole, J.L.; Keenan, D.M. REALIZING COLD-WATER REFUGES AND THERMAL DIVERSITY IN RIVERINE LANDSCAPES – Presentation time changed from 11:00 to 16:00

16:30 – Neilson, B.T. – Oral Presentation Withdrawn

Session 075

16:00 – Guerry, A.; ARTICULATING NATURE'S BENEFITS TO IMPROVE DECISIONS IN COASTAL AND MARINE SYSTEMS – Presenting Author Changed to Jessica Silver

17:30 – Kaplan, D. – Oral Presentation Withdrawn

Session 089

17:00 - **Li, F.**; Sundermann, A.; Stoll, S.; Haase, P.; RECOLONIZATION OF RESTORED RIVERS DEPENDS ON DISPERSAL CAPACITY OF BENTHIC INVERTEBRATES – Presenting Author Changed

17:30 – Nyman, J. A. – Oral presentation time revised from 17:45

Session 095

10:30 – Novitski, L. N.; Esselman, P. C.; Qi, J.; **Stevenson, R. J.**: USING MODIS AND LANDSAT TO INFER CHLOROPHYLL IN GREAT LAKES SURFACE WATERS WITH A FOCUS ON SAGINAW BAY – Change in Presenting Author. Please note: Oral presentation listed as withdrawn on version dated 5-15-14.

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Session 124 D

10:45 – Plotnikoff, R.W. – Oral Presentation Withdrawn

Session 126 B

14:30 – **Allinger, L. E.**; Reavie, E. D.; LAKE ONTARIO'S STORY AS TOLD BY PHYTOPLANKTON – Oral presentation changed to a poster (See Thursday Poster Session above.)

Session 129 A

10:30 – Acuna, V. – Oral Presentation Withdrawn

Session 137 B

11:00 – Utz, R.M. – Oral Presentation Withdrawn

Session 140 C

14:15 – Holzer, K.K. – Oral Presentation Withdrawn

EXHIBITOR ROSTER REVISIONS

BioSonics, Inc. (Booth #E19)

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Freshwaters Illustrated (Booth #E43)

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Eureka Water Probes (Booth #E45) – Formerly Measurement Specialties Inc.

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