From: [Trista Vick]
Subject: ASLO special session - Linking microbial ecology and C-cycling across spatial scales

Dear colleagues,

As the abstract submission deadline is fast approaching (23 February) we would like to draw your attention to a special session (SS54) at the ASLO 2018 summer meeting, "Linking microbial ecology to carbon biogeochemistry across spatial scales", with an invited lecture by Dr. Ralf Conrad.

We invite presentations focused on linkages between microbial ecology and carbon biogeochemistry to consider submitting their abstract to our session.

We look forward to seeing you in Victoria,

Sophie Crevecoeur (UQAM, Montreal, Canada)
Paula Reis (UQAM, Montreal, Canada)
Trista Vick-Majors (Flathead Lake Biological Station, University of Montana, USA).

Apologies for cross-postings.

Session description:
Linking microbial ecology to carbon biogeochemistry across spatial scales

Aquatic ecosystems are crucial components of the global carbon (C) cycle, acting as hotspots for the degradation and production of myriad C compounds. Most of this C processing happens through the activity of microorganisms, which possess diverse metabolisms and profoundly impact the composition of C compounds in water. Such metabolisms include autotrophy, heterotrophic DOM recycling, and the production and consumption of greenhouse gases. These processes occur and are controlled at a range of scales, from the genomic and cellular to the ecosystem and landscape. Through this session, we seek to better understand the interactions between individual microbial cells, microbial communities, and the cycling of carbon in aquatic environments. We invite contributors from marine and freshwater research targeting linkages between microbial ecology and carbon cycling across spatial scales from the cell to the landscape. Contributions that focus on the link between microbial diversity and ecosystem function, the controls on microbial cycling of carbon, or on microbial activity and rates of carbon transformation and/or their energetic balance, are welcome. The application of innovative approaches or new concepts related to microbial carbon cycling are especially encouraged to form a dynamic platform to discuss advances in the field of microbial biogeochemistry.