

People

Professor **Guangle Qiu** and his PhD student **Xiaohang Xu** from the State Key Laboratory in Environmental Geochemistry (Guiyang, China) will spend 3 months at Limno to collaborate with Andrea, Stefan, Jingying and colleagues from SLU and Umeå University on processes causing mercury methylation and methylmercury accumulation in rice.



On September 25 **Hannah** nailed her PhD thesis entitled "The role of lake sediments in the carbon cycle of boreal lakes". Hannah will defend her thesis on October 16, at 10 a.m. at EBC's Ekmanssalen.

Jim Cotner (University of Minnesota), whom some of us met before, will be Hannah's opponent. On Thursday, October 15, Jim will give a seminar "Regulation of internal carbon and phosphorus pools by bacteria and its implications for ecosystems and biogeochemical cycles".

Katrin Attermeyer is a new postdoc at Limno. She is funded by a stipend from the German research association and will work in connection to the Wallenberg project. Katrin did her PhD in Berlin, and will focus on bacteria-organic matter interactions, such as flocculation.



Marloes, Alina, Anna and Karólína are taking a course at SLU: "Carbon cycling: from molecular to global processes". The course aims to give the participants a comprehensive understanding of the processes influencing carbon dynamics in ecosystems, and combines literature seminars with lectures from the leading researchers in the field. Two people from Limno, Lars and Sebastian, are among the lecturers.

Sari organized a workshop for data analysis with Mothur-software with **Moritz** and **Sarahi** as co-teachers. The workshop was a big success with 15 people from three different departments.

Eva is going to be an opponent at a dissertation at the University of Oulu, Finland, on October 30. Right now Eva is struggling with the dress code of the actual dissertation which says: "Male doctoral candidate, Kustos and opponents wear tails and a black waistcoat, or a dark suit. Females wear LBD." LBD, according to Wikipedia (in case anyone did not know), is a Little Black Dress: https://en.wikipedia.org/wiki/Little_black_dress

Events

The outreach team of Limno has been active during the **KulturNatten** and made a microbiology demonstration at the Evolutionsmuseet titled "Minsta kräk i kärr och syra". **Erik, Anna** and **Eva Garmendia** from the Dept. of Microbiology-Immunology got the visitors acquainted with an astonishing world of microorganisms. Visitors looked at the bacteria isolated from different environments, got a chance to isolate the microbes themselves, and learnt about the basic concepts of the microbial world, like size and genetic variance. Kids were given an opportunity to be DNA scientists and learnt how to isolate DNA from their own saliva using the detergent and ethanol.



Poster demonstrating the size of microbes compared to human hair



Busy young scientist isolating DNA



Bacteria isolated from Allosaurus skeleton

Experiments



On September 24, **Karólína, Marloes** and **Claudia** (Analytical Chemistry) took the reverse osmosis system to the field and concentrated DOM from lake Plåten. The concentrate is now being used in the incubation experiment that serves as a preparation for future

DOM manipulations in the mesocosm experiments at Erken.