HypoBASICS

Summer School on Hyporheic Zone Processes

as of 19-06-15

Host and location: Leibniz-Institute of Freshwater Ecology and Inland Fisheries Berlin, Germany
Müggelseedamm 310
D - 12587 Berlin

Contact person: Karin Meinikmann
meinikmann@igb-berlin.de
+ 4930 64181 671

	Monday 22-Jun-15	Tuesday 23-Jun-15	Wednesday 24-Jun-15	Thursday 25-Jun-15	Friday 26-Jun-15
Morning	***Cross-culture communications***	***Biogeochemistry***	***Tracing hyporheic exchange***	***HypoTRAIN Administration and poster session***	***Modelling hyporheic processes***
9:00 - 09:45	**Workshop** (Cynthia Tilden-Machleidt, HWR Berlin, Germany)	***Biogeochemical turnover processes in the HZ*** (Jörg Lewandowski, IGB, Germany)	***Measuring small-scale hyporheic flow*** (Jörg Lewandowski, IGB, Germany)	***HypoTRAIN Management Meeting*** (all members of ITN HypoTRAIN)	***Spatial-temporal estimation and modelling of exchange fluxes*** (Okke Batelaan, Flinders University, Australia)
9:45 - 10:30	**Workshop** (Cynthia Tilden-Machleidt, HWR Berlin, Germany)	***Relationship between sediment texture, hyporheic exchange and microbial activity*** (Michael Mutz, BTU Cottbus, Germany)	***Field tracers of hyporheic exchange*** (Stefan Krause, University of Birmingham, UK)	***HypoTRAIN Management Meeting*** (all members of ITN HypoTRAIN)	***Coupling hyporheic fluxes to biogeochemical processes*** (Gunnar Nützmann, IGB, Germany)
10:30 - 11:00	**Coffee break**	**Coffee break**	**Coffee break**	**Coffee break**	**Coffee break**
11:00 - 11:45	**Workshop** (Cynthia Tilden-Machleidt, HWR Berlin, Germany)	***Bank filtration and groundwater recharge: the most important centimetres*** (Achim Mälzer, IWW Mühlheim a. d. Ruhr, Germany)	***Transport of fine sediments and colloids in rivers and the HZ*** (Aaron Packman, Northwestern University, USA)	***Poster session*** (External PhDs)	***Modelling hyporheic exchange fluxes across scales*** (Anders Wörman, KTH, Sweden)
11:45 - 12:30	**Workshop (until 12:00)** (Cynthia Tilden-Machleidt, HWR Berlin, Germany)	***Bioenineering*** This talk is moved here from the afternoon session! (Albert Sorolla, Naturalea, Spain)	***Noble gases as tracers*** (Matthias Brennwald, Eawag, Switzerland)	**Early lunch break (until 12:45)**	
12:30 - 13:30	**Lunch break**	**Lunch break**	**Lunch break**		**Lunch break**
Afternoon	***Organic micropollutants***	***Hyporheic ecology***	***Sampling and analytical methods***	***Planning of Joint Experiments***	***Synthesis***
13:30 - 14:15	***Micropollutants in rivers*** (Tim aus der Beek, IWW Mühlheim a. d. Ruhr, Germany)	***Understanding and determining hyporheic productivity*** (Julia Reiss, Roehampton University, UK)	***Quantifying groundwater-surface water interactions*** (Stefan Krause, University of Birmingham, UK)	**12:45 - 13:15** ***Introduction the study site (River Erpe)*** (Anna Jäger, IGB, Germany)	**Brief presentations on outcomes of the summer school for individual projects, research plans, collaborations, etc.** (ESRs and external PhDs)
14:15 - 15:00	***Transformation of organic micropollutants in aquatic systems*** (Jon Benskin, University of Stockholm, Sweden)	***Metazoan diversity in the hyporheic zone*** (Julia Reiss, Roehampton University, UK)	***Analysis of microbial communities in the environment*** (Marcus Horn, University of Bayreuth, Germany)	**13:15 - 15:00 Excursion to River Erpe by cars** (all)	**Brief presentations on outcomes of the summer school for individual projects, research plans, collaborations, etc.** (ESRs and external PhDs)
15:00 - 15:30	**Coffee break**	**Coffee break**	**Coffee break**	**Coffee break**	**Coffee break**
15:30 - 16:15	***Modern mass spectrometric techniques*** (Juliane Hollender, Eawag, Switzerland)	***Natural processes driven restoration for hyporheic ecological productivity benefit*** (Jenny Mant, River Restoration Centre, UK)	***Microsensors as tools for quantifiying biogeochemical processes*** (Shai Arnon, Ben-Gurion University of the Negev, Israel)	**Detailed planning of joint experiments at River Erpe** (all)	**Brief presentations on outcomes of the summer school for individual projects, research plans, collaborations, etc.** (ESRs and external PhDs)
16:15 - 17:00	**Discussion:** ***"Which micropollutants do we want to focus on within Hypotrain?"*** (all, moderated by Juliane Hollender, Eawag)	**Guided tour of the IGB** (optional)	**Guided tour of the IGB** (optional)	**Detailed planning of joint experiments at River Erpe** (all)	**Brief presentations on outcomes of the summer school for individual projects, research plans, collaborations, etc.** (ESRs and external PhDs)
17:00 - 19:00	**Get together** (opportunity to meet co-supervisors etc.)	**Get together** (opportunity to meet co-supervisors etc.)	**Get together** (opportunity to meet co-supervisors etc.)	**Get together and BBQ at IGB** (opportunity to meet co-supervisors etc.)	**Get together** (opportunity to meet co-supervisors etc.)
20:00	**Welcome dinner**				