

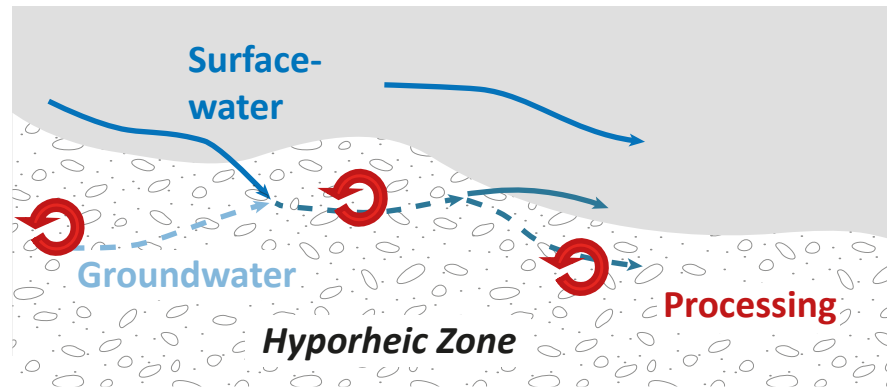
**22 June 2015 - 26 June 2015**

Leibniz-Institute of Freshwater Ecology and Inland Fisheries (IGB), Berlin, Germany

## About the summer school

Hyporheic zones are dynamic and complex transition regions between rivers and aquifers. They are characterized by the simultaneous occurrence of multiple physical, biological and chemical processes. Turnover and degradation of nutrients and pollutants are among the prominent ecological services of these systems.

The summer school, as part of the EU funded training network “hypoTRAIN”, provides lectures and hands-on exercises to understand general hydrological and biogeochemical mechanisms ruling hyporheic zone processes. Furthermore, multi-disciplinary research methods and techniques are introduced to measure, model and quantify these processes.



## About the the hypoTRAIN project

HypoTRAIN is the acronym for “**hy**-**por**heic zone processes – A **TRAIN**ing network for enhancing the understanding of complex physical, chemical and biological process interactions“. The project is funded by the European Commission as a Marie Skłodowska-Curie action.

As an innovative training network (ITN) it has a strong focus on training of young researchers. Overall 16 PhDs will work on different sub-topics at research institutions all over Europe. The quantification of water fluxes and the fate of organic pollutants in these highly dynamic interfaces are key aspects in the hypoTRAIN research activities.





## Workshops

### Day 1 (22 June 2015)

- Cross-culture and cross-disciplinary communication
- Introduction to ITN hypoTRAIN

### Day 2 (23 June 2015)

- Tracing hyporheic exchange
- Sampling and analytical methods

### Day 3 (24 June 2015)

- Biogeochemistry
- Hyporheic ecology

### Day 4 (25 June 2015)

- Organic micropollutants
- Modelling hyporheic processes

### Day 5 (26 June 2015)

- Bringing it all together: Development of a conceptual model of hyporheic zone processes

## Preliminary speakers list

### Brandenburgische Technische Universität, Germany

Michael Mutz

### Royal Institute of Technology, Sweden

Anders Wörman

### IWW Water Centre, Germany

Axel Bergmann, David Schwesig

### University of Birmingham, UK

Stefan Krause

### Northwestern University, USA

Aaron Packman

### Eawag, Switzerland

Juliane Hollender, Rolf Kipfer

### University of Bayreuth, Germany

Marcus Horn

### Ben-Gurion University, Israel

Shai Arnon

### University of Roehampton, UK

Julia Reiss, Anne Robertson

### Naturalea, Spain

Albert Sorolla

### River Restoration Centre, UK

Jenny Mant

### Stockholm University, Sweden

Jonathan Benskin

### Flinders University, Australia

Okke Battelaan

### Leibniz-Institute of Freshwater Ecology and Inland Fisheries, Germany

Jörg Lewandowski, Gunnar Nützmann

### École Polytechnique Fédérale de Lausanne, Switzerland

Tom Battin

## Booking

Registration fee for external delegates: 750 €

(including all workshops, as well as daily lunch and bed and breakfast in a nearby accommodation)

For all bookings and enquiries please contact:  
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