

## Physical Limnology 2023

Workshop – Block Course

On the campus “Im Neuenheimer Feld” of the Heidelberg University.  
Building INF 229 seminar room SR 108/110

Schedule of lectures: 27<sup>th</sup> to 31<sup>st</sup> March 2023

Start time	Mon	Tue	Wed	Thu	Fri
9:00-9:30	--	Ex-L1	Ex-B3	Ex L3	Ex-K1
<b>9:30- 11:00</b>	<b>B1</b>	<b>L2</b>	<b>B5</b>	<b>L4</b>	<b>B8</b>
<b>11:15-12:45</b>	<b>L1</b>	<b>B3</b>	<b>L3</b>	<b>B7</b>	<b>K2</b>
14:15-14:45	Ex-B1	Ex-B2	Ex-B4	Ex-B6	--
<b>15:00-16:30</b>	<b>B2</b>	<b>B4</b>	<b>B6</b>	<b>K1</b>	--

B Dr. Bertram Boehrer (Helmholtz Centre for Environ. Res. – UFZ, Magdeburg)

L Prof. Andreas Lorke (Univ. Kaiserslautern-Landau, Landau)

K Dr. Georgiy Kirillin (IGB-Berlin)

Ex exercise group

**B1 - Stratification and circulation of lakes, Navier Stokes – eq.**

**B2 – solutes, solubility, electrical conductivity**

**B3 – density, stability and mixing, deep water renewal**

**B4 – surface waves, seiche, interfacial waves**

**B5 – internal waves**

**B6 – properties of internal waves**

**B7 – thermobaricity**

**B8 - Permanent stratification, meromixis, climate sensitivity**

**L1 - Turbulence I: Introduction to turbulence**

**L2 - Turbulence II: Spectral characteristics and measurements**

**L3 - Turbulence III: Momentum and mass transport in turbulent boundary layers**

**L4 - Turbulence IV: Living in turbulence: biological – physical interactions**

**K1 – Convection and waves under ice**

**K2 - Physics of seasonal ice cover**

Further Information:

<http://www.ufz.de/index.php?de=18470>

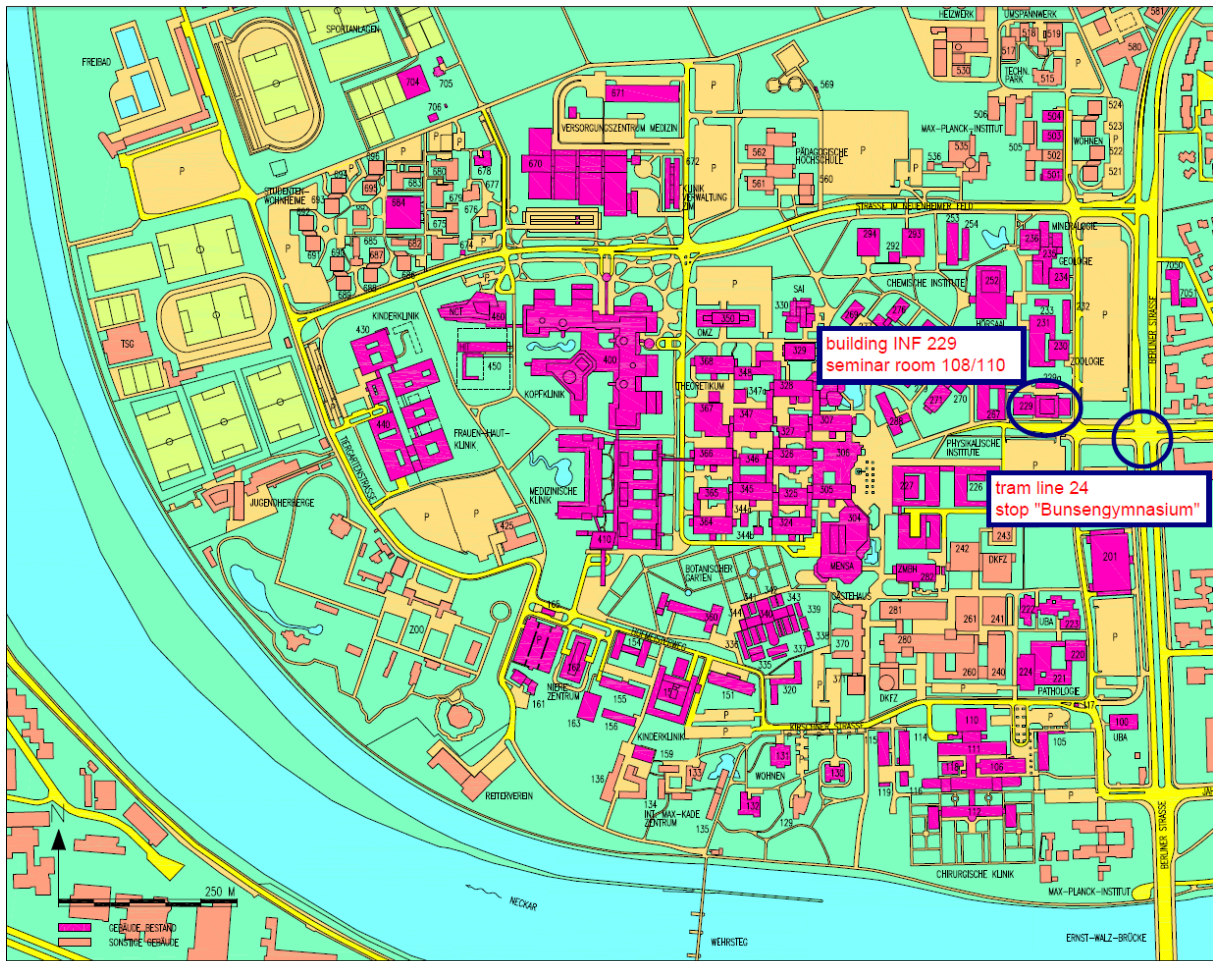
Bertram.Boehrer@ufz.de

This block course is sponsored by



Sea and Sun Technology, Trappenkamp

<http://www.sea-sun-tech.com/technology.html>



100	UNIVERSITÄTSBAUWEISE	227	KIRCHHOFF-INSTITUT FÜR PHYSIK KIP	306	UNTERRICHTSBEREICH THEORETIKUM	460	NAT. CENTRUM F. TUMORERKRANKUNGEN NCT
105	VERWALTUNG D. KLINIKUMS, DIV. ABTEILUNGEN	229	UMWELTPHYSIK/PHYSIK-CHEMIEINSTITUT	307	ANATOMISCHES INSTITUT	501	INSTITUT FÜR BIOLOGISCHE CHEMIE
110	LABORATORIEN (PHYSIK/PHYSIOLOGIE)	230	UNIVERSITÄT	308	INSTITUT FÜR ANATOMIE	502	INSTITUT FÜR BIOLOGISCHE CHEMIE

Or check the location on [www.heidelberg.de](http://www.heidelberg.de) and choose Stadtplan

