

Program of the 3rd International Summer School on Stable Isotopes in Animal Ecology,
10. - 14.9.2018 in Berlin, Leibniz Institute for Zoo and Wildlife Research

Monday, 10.09.2018		General introduction, botany, general stable isotope ecology, paleozoology,
8:50 - 9:00	Christian Voigt & Alexandre Courtiol – <i>Welcome and introduction</i>	
9:00 - 9:45	Len Wassenaar – <i>General aspects of stable isotopes</i>	
9:45 - 10:30	Matthias Saurer – <i>Stable isotopes in botany</i>	
10:30 - 11:00	Coffee break	
11:00 – 12:30	Keith Hobson – <i>Stable isotopes in animal ecology</i>	
12:30 - 13:30	Lunch break	
13:30 - 14:15	Thomas Tuetken – <i>Heavy stable isotopes in paleozoology</i>	
14:15 - 15:30	IT - Uploading of R packages Alexandre Courtiol – <i>A quick introduction into the basics of R</i>	
15:30 - 16:00	Coffee break	
16:00 - 18:00	Oral presentations of students (10 min each) followed by poster session	
starting 18:00	BBQ (optional)	

Tuesday, 11.09.2018		Limnology, physiology, isotopic niches, migration studies, isotopic niches and dietary reconstruction
9:00 - 9:45	Jon Grey - <i>Stable isotopes in limnology</i>	
9:45 - 10:30	Christian Voigt – <i>Stable isotopes in animal physiology</i>	
10:30 - 11:00	Coffee break	
11:00 - 12:00	Keith Hobson – <i>Stable isotopes in migration studies</i>	
12:00 - 13:00	Lunch break	
13:30 - 14:15	Christian Voigt/Kseniia Kravchenko – <i>Isotopic niches and specialization (SIBER)</i>	
14:15 – 15:00	Christian Voigt/Cecilia Kruscynski de Assis – <i>Mixing models and dietary reconstruction (MixSIAR)</i>	
16:00 - 19:00	Visit of Natural History Museum (optional)	

Wednesday, 12.09.2018		Focus: Practical work in lab
9:00 – 9:30	General aspects of sample collection and conservation	
9:30 – 10:00	Coffee break	
10:00 - 12:00	Practical part I	
12:00 - 13:30	Lunch break	
13:30 - 15:30	Practical part II	
15:30 - 16:00	Coffee break	
16:00 – 16:30	Software check (R, R-packages)	
starting 16:30	Berlin visit (optional)	

Thursday, 13.09.2018		Focus: Isoscapes and geographical assignments
9:00 - 10:30	Gabe Bowen - <i>Isoscapes</i>	
10:30 - 11:00	Coffee break	
11:00 - 12:30	Gabe Bowen - <i>IsoMAP</i>	
12:30 - 14:00	Lunch break	
14:00 - 15:30	Alexandre Courtiol - <i>An introduction to Isorix I</i>	

15:30 - 16:00	Coffee break
16:00 - 17:30	Alexandre Courtiol - <i>An introduction to Isorex II</i>

Friday, 14.09.2018	Focus: Data analysis
9:00 - 10:30	Analysis of data (with lecturer)
10:30 - 11:00	Coffee break
11:00 - 12:30	Analysis of data (with lecturer)
12:30 - 14:00	Lunch break/alternatively institutional seminar with Gabe Bowen (title TBA)
14:00 - 15:30	Analysis of data (with lecturer)
15:30	End of summer school