

2nd International Summer School on Stable Isotopes in Animal Ecology

When: 12th – 16th September 2016

Where: Leibniz Institute for Zoo and Wildlife Research in Berlin (IZW), Germany

Content:

- Stable nitrogen and carbon isotope ratios as markers for animal diets and trophic positions
- Analyses of stable hydrogen isotope ratios for the study of animal migration (includes application of isoscape origin models)
- Use of labeled compounds in eco-physiological studies
- Use of multiple isotopes in the study of food webs and trophic interactions
- Use of stable isotope approaches in paleo climate reconstructions

Students will be involved in all aspects of sample preparation and analysis as well as data interpretation. Used instruments include conventional gas mass spectrometers (Thermo) and laser spectrometers (LGS, Picarro)

External Lecturers:

Prof. Dr. Keith Hobson (University of Western Ontario, Canada)

Prof. Dr. Roland Werner (ETH Zurich, Switzerland)

Dr. Len Wassenaar (IAEA, Vienna, Austria)

Dr. David Soto (University of Saskatoon, Canada)

Prof. Dr. Stuart Bearhop (University of Exeter, U.K.)

Prof. Dr. Jon Grey (Lancaster University, U.K.)

Dr. Martina Burnik-Sturm (University of Veterinary Medicine, Vienna, Austria)

Cesie lecturers:

PD Dr. Christian Voigt (IZW)

PD Dr. Ulrich Struck (Museum of Natural History, Berlin)

Dr. Stephanie Kramer-Schadt (IZW)

Dr. Alexandre Courtiol (IZW)