

For graduate or undergraduate students interested in learning techniques related to the analysis and interpretation of stable isotope ratios in the study of animal ecology.

Organising Institution: Centre for Stable Isotope Ecology in Berlin-Brandenburg

When: 15.-19. September 2014

Where: Leibniz Institute for Zoo and Wildlife Research (IZW), Germany (www.izw-berlin.de)
and Natural History Museum of Berlin (www.mfn-berlin.de)

Costs: 300€ per participant (includes consumables in laboratory, BBQ, coffee breaks, etc.)

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)

Instructors and lecturers:

Christian Voigt (IZW): Ecophysiology of mammals

Ulrich Struck (Natural History Museum Berlin): SIA in paleo environments

Stephanie Kramer-Schadt (IZW): Modelling and statistical approaches

Petra Quillfeldt (U of Gießen): Sea bird ecology

Keith Hobson (U of Saskatchewan): Stable isotope ecology of birds

Registration: Deadline: 1. June 2014; The course is limited to 16 students: Applications should include a CV, a statement of interest and 2 reference addresses (not letters). Please send applications or inquiries to Dr. Christian Voigt at voigt@izw-berlin.de

Travel grants: We offer travel grants for a limited number of participants [UTF-8?](each **500€**).

In case, you would like to apply, please send your letter of motivation, curriculum vitae, two reference letters and a cost estimate of your travel to

voigt@izw-berlin.de

. Recipients of travel grants will be announced in late July.