EBERHARD KARLS UNIVERSITÄT TÜBINGEN

“Isotope Course 2026”

All times are s.t. (sharp)

Mon 23.02.		Tue 24.02.		Wed 25.02.		Thu 26.02.		Fri 27.02.	
9:15	Welcome (MD, CB, IE, CBT) Stable Isotopes: Introduction, fractionation (MD)	9:15	N Isotopes (CBT)	9:15	Interaction of radiation with matter: analysis of radioisotopes (CB) + Lab demo CC, LSA	9:15	Quantifying erosion by radioisotopes. Bomb ^{14}C; ^{14}C dating (CB)	9:15	Compound-specific stable isotope analysis (MD)
Coffee Break (10:30)									
11:00	Introduction to radioisotopes and their applications as tracers (CB)	11:00	Pulse and continuous labeling techniques and their application in plant-soil interaction (MD) + Lab demo	11:00	DNA/RNA SIP (IE) + DNA-SIP Lab demo	11:00	Soil C dynamics+ CSIA (MD)	11:00	Questions, chats, open discussion (MD, CB)
Lunch (12:30)									
14:15	Stable Isotopes: Measurement techniques (CB) + Lab Demo IRMS/Picarro	14:00	Introduction to stable C isotopes (MD)	14:00	Lab tour stable isotopes + bulk isotope analysis (CB, OO)	14:00	Imaging of radioisotopes (CB) + Lab demo (imaging, RNL)		
Coffee Break (15:30)									
		16:00	Fractionation: use in ecosystem studies: from food webs to the	16:00	Key calculations for stable isotope studies	16:00	Key calculations for stable isotope studies		