



EBERHARD KARLS
UNIVERSITÄT
TÜBINGEN



CSC-Tübingen PhD Scholarship Program

2025 application round: prospective PhD positions at the University of Tübingen

Faculty:	Mathematisch-Naturwissenschaftliche Fakultät
Institute / Section / Subject:	Department of Biology / Didactics / Teaching / Education Sciences
Supervising Professor(s):	Prof. Dr. Christoph Randler
About the Supervisor(s):	We work at the intersection between biology and psychology, often with a focus on educational psychology. Main foci are birds and teaching & learning in biology, and studies about birdwatchers. I like cooperation across disciplines and boundaries. We use many methods, such as questionnaires, hormone assays, actigraphy, field and lab experiments, and others.
Specification:	Digital tools supporting birdwatching field trips in school and university
Topic Description:	The project will assess the usefulness of digital tools and apps for bird identification during a field trip (e.g., Merlin, eBird, KI supported binoculars (Swarovski Ax-Visio), other applications and tools, such as thermal imaging). The project will be carried out as an experiment in the field following standard protocols (treatment-control group designs) and will assess outcome variables such as learning achievement, motivation, but also psychological restoration and some physiological parameters (e.g., cortisol). Some work will be done in the lab in addition.
Intended Degree:	<i>Dr. rer. nat., Dr. phil.</i>
Type of the PhD Study:	both possible
Required Degrees and Qualifications:	<i>Master of Science in Biology/Ecology or related topics; Master of Education; MSc Psychology also possible</i>
Language Requirements:	<i>TOEFL iBT 95, IELTS 6.5</i>
Notes:	Interest in birds and bird related research would be fine, but not needed; competencies in experimental field settings in education would be appreciated.