



The Hector Research Institute of Education Sciences and Psychology is currently inviting applications for the following position:

**3-year doctoral Position (m/f/d) on  
Motor Metacognition in Music Learning  
(75 %, E 13 TV-L<sup>1</sup>)**

**We are seeking** an excellent doctoral candidate who is motivated to work on an interdisciplinary field of research linking cognitive sciences to education research. The project will be an extension of work on motor metacognition and awareness, conducted so far in the “Metamotorlab” ([metamotorlab.filevich.com](http://metamotorlab.filevich.com)). In particular, the project will investigate the role of metacognition during learning of a motor skill (namely playing an instrument). Applicants can come from any of the following (or related) fields: cognitive science, experimental psychology, neuroscience, educational science. We especially give priority to candidates with solid experience in experimental design, advanced statistical analysis and/or experimental programming.

**The position is part of** a “Freigeist” fellowship from the Volkswagen Foundation held by Dr. Elisa Filevich and comes with a fixed-term contract for 3 years. The expected start date is September 2023 but we are highly flexible and committed to accommodating candidates’ individual circumstances. Note that there is the opportunity to add a training period before the start of the Ph. D. program.

**The successful candidate is expected** to combine research on metacognition with education sciences based on his/her expertise. The successful candidate will work closely together with Dr. Elisa Filevich, within the larger research group of Professors Kou Murayama and Michiko Sakaki, and is expected to design and implement studies together with other researchers at the Hector Research Institute.

**The PhD candidate will benefit from unique opportunities**, including:

- Close collaboration, mentoring, and professional development from a supervisory team
- Work with an inspiring, multidisciplinary, and international team that includes many other talented PhD students
- Supportive environment to enable presentations at national and international conferences and publications in highly ranked journals to advance an (international) academic career
- Opportunities for interdisciplinary and international exchange programs (e.g., lab visits)
- Access to the LEAD Research Network ([www.lead.uni-tuebingen.de](http://www.lead.uni-tuebingen.de))

**Requirements**

Graduates (and applicants about to graduate) with a master’s degree in psychology, neuroscience, education sciences, or a related field with excellent grades and a strong interest in research from interdisciplinary perspectives are encouraged to apply. Candidates should have a proven interest in motor control, metacognition, and/or education research. Some experience and interest in quantitative research methodologies (using R, MATLAB, etc.) and experimental programming is required. Experience with Unity or C#, and proficiency in German language are desirable.

<sup>1</sup> According to the general pay scale of German universities, the salary will be “E 13TV-L”. This corresponds to a monthly salary of at least EUR 3,141, -\*\* (75% position, gross pay, before tax). After taxes as a single (i.e. not married or living with a life partner; no children), the monthly salary is at least EUR 2,042, -- (net salary after taxes and health insurance payments). Your income will increase if you remain employed. Information regarding cost of living in Tübingen: <https://tuebingenresearchcampus.com/tuebingen/>



The Hector Research Institute is a nationally and internationally leading research center in education sciences and psychology. Our interdisciplinary team works in a well-equipped building close to the historic old town of Tübingen, Germany. Traditionally, research at the Hector Research Institute investigates determinants of successful teaching and learning processes using large scale assessments, longitudinal studies, and randomized controlled field trials. Our team will collaborate within the institute continuing these traditions and supplement them with a diverse array of methodological approaches. More information can be found at [www.hib.uni-tuebingen.de](http://www.hib.uni-tuebingen.de).

For further inquiries about the position, please reach out to Dr. Elisa Filevich ([elisa.filevich@uni-tuebingen.de](mailto:elisa.filevich@uni-tuebingen.de)).

**Applications** including a cover letter detailing (1) your past project(s) and methodological skills, and (2) a brief outline of a possible research project that could make a unique contribution to the research on metacognition and education, a CV, degree and other certificates with transcripts should be sent via email **in one single pdf-file** stating “**Music learning**” in the subject line to [jobs@hib.uni-tuebingen.de](mailto:jobs@hib.uni-tuebingen.de). The initial **deadline is May 1st, 2023**, but we will continue to seek candidates until the position is filled.

Disabled candidates will be given preference over other equally qualified applicants. The University seeks to raise the number of women in research and teaching and therefore urges qualified women to apply for these positions. Employment will be officially organized by the central university administration.