PhD student position on zebrafish musculoskeletal development - Cologne, Germany

A PhD student (65% E13) position will be available from spring 2020 onwards in the laboratory of Matthias Hammerschmidt at the Biocenter of the University of Cologne, Germany, to contribute to our ongoing research on musculoskeletal development in the zebrafish. Parts of the research program will be conducted within the frame of the DFG-funded Research Unit FOR 2722.

Using a combination of forward and reverse (CRISPR / Cas9) genetics, transgenesis, pharmacogenetics, and in vivo imaging, we study different aspects of musculoskeletal development, including the formation of bones, tendons and myotendinous junctions (see for instance, Jeradi and Hammerschmidt, Development 2016; Pogoda et al., Development 2018). Selected genes will also be analyzed in the mouse, based on mutants that have been generated in our laboratory. For further information, please visit the FOR2722 (https://urldefense.com/v3/__http://for2722.uni-koeln.de/29852.html?&L=1__!C5qS4YX3!QEB0KRoHVSbcJX8i5S87waYpqgcbWjGGr8WEzgpgaHhd_p-V2UhnSU_aKG-rq$) or the Hammerschmidt lab website (https://urldefense.com/v3/__http://www.ag-hammerschmidt.zoologie.uni-koeln.de/3.html__;!!C5qS4YX3!QEB0KRoHVSbcJX8i5S87waYpqgcbWjGGr8WEzgpgaHhd_p-V2UhnSUa3FncG$), or contact us directly via email or telephone (see below).

The Cologne Biocenter is located in the center of Cologne, and offers an excellent scientific environment for the conducted research, which in addition to the FOR2722 consortium will be performed in close cooperation with other research groups at the University Hospital Cologne and in the Center for Molecular Medicine Cologne (CMMC). The student will also be enrolled in the Graduate School for Biological Sciences (GSIBS) of the University of Cologne, and will have the opportunity to participate in soft-skill courses, retreats etc. offered by the CMMC and the GSIBS. In addition, Cologne is a very international and lively city, offering many opportunities for interesting leisure activities.

Candidates should have strong interest in molecular and cellular developmental and musculoskeletal biology. Previous experience with the zebrafish is preferred, but not essential. Proficiency in English is required.

To apply, please email your CV and names of two referees to Matthias Hammerschmidt
mhammers@uni-koeln.de; phone: ++49-221-470 5665
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