Research Technician Position in studying host-parasite interactions in Drosophila

A **Research Technician Position** with focus on **Host-Microbe interactions** in Drosophila is available in the Miller Lab of Genome Dynamics at the Department of Cell & Developmental Biology of the Medical University Vienna starting in February 2027.

We are looking for a highly motivated and enthusiastic candidate with a strong theoretical background and practical experience in Molecular Biology/Microbiology/Genetics, who is interested to join our team for studying in neotropical Drosophila flies the fascinating world of Host – Microbe interactions at the molecular, cellular and evolutionary level with their native reproductive bacterial endosymbionts, i.e., *Wolbachia* and *Spiroplasma*.

Experimental and conceptual focus:

• Development and optimization of RNA- and antibody-directed *in situ* detection methods to study the temporal and spatial dynamics of different bacterial endosymbiotic bacteria and their variants in neotropical fly samples.

• Optimize insect cell line systems to monitor bacterial single and multi-infections *in vitro*

• Perform qPCR and *in situ* assays on different developmental stages and tissues

• Fly stock maintenance and genetics

We expect:

• Solid understanding and hands-on experience in molecular biology techniques, e.g., cloning, PCR, FISH and Immunohistochemistry and cell line systems

• Interest in the research topic

• Good English communication skills

We offer:

• A full-time position (40 hrs.) which is supported by our FWF/DFG bilateral research project "To kill or not to kill"

• Improved hands-on training in molecular, cellular and Drosophila-based technologies

• Close integration in our international team

Application:

Interested candidates should submit a CV, a brief description of their relevant practical laboratory experience and contact details for references via email:
Wolfgang.Miller@meduniwien.ac.at