The Department of Medical Biology, Faculty of Medical Sciences, at the University of Warmia and Mazury was appointed by Senate Resolution No. 316 on the 13th of June 2008. The founder and first director of the Department was Piotr Kurnatowski MD, PhD, Associate Professor. Since the 1st of July 2010, the Head of the Department has been Ewa Dzika, MSc, PhD, DSc, Associate Professor.

The Department of Medical Biology conducts classes in subjects such as: "Molecular Biology and Genetics" as well as "Medical Parasitology" for Polish and English-speaking students of Medicine; "Parasitology" and
"Genetics courses for students of Nursing and Nutrition; and "Biology and Microbiology" for students of the Emergency Medical Services. The department has two fully equipped microscopy rooms, capable of accommodating independent student projects using biological stereotactic microscopes.

The department conducts parasitological research over a wide field of interest. The research is concerned with the occurrence in biology and epidemiology of common human parasitosis, which occurs in the north-eastern region of Poland. The department conducts widely known parasitologic and microbiologic environment monitoring, examining groups of vertebrate and invertebrate parasites, which are a potential health threat for humans.