Research & Services | Research into Parasitic Diseases in Animals (Yissum)
code: 34-2010-2417
Gad Baneth, HUJI, Faculty of Agricultural, Food and Environmental Quality Sciences, The Koret School of Veterinary Medicine

Developing better vaccines and adjuvants and monitoring the response of animals to treatment against disease

Categories	Life Sciences and Biotechnology, Medicine

Laboratory for Veterinary Parasitic Vector-Borne Diseases, Koret School of Veterinary Medicine, The Robert H. Smith Faculty of Agriculture, Food and Environmental Quality Sciences

Research Capabilities

- The laboratory focuses on the research of veterinary and zoonotic vector-borne diseases in order to understanding the interaction between pathogen, animal host, and arthropod vectors.
- Research includes the development of new diagnostic assays consisting of assays based on molecular biology techniques and serology.
- The laboratory also studies immune responses to infection with the aim of developing better vaccines and adjuvants and to monitoring the response of animals to treatment against disease.
- The main diseases studied are leishmaniasis, canine ehrlichiosis, hepatozoonosis, babesiosis, bartonellosis, and dirofilaraisis, and the epidemiology of vector-borne parasitic diseases in Israel and the Middle East.

Advantages

- The laboratory has extensive experience in designing and performing diagnostic tests, analyzing molecular data, and collaborating with research institutes globally. It has a unique collection of pathogen samples and has the ability to create specific assays and critically analyze results and the performance of assays.
- Research Background
- Research is focused on studying the pathogenesis of parasitic vector-borne veterinary and zoonotic diseases. This includes the interaction between the pathogen, animal host and arthropod vectors. A special interest includes understanding the relationship between the pathogen and the host immune response, and what leads to a virulent course of infection versus the establishment of a persistent asymptomatic carrier stage or self cure in parasitic infections.

Researcher and Research Interests

Professor Gad Baneth, Associate Professor Veterinary Internal Medicine, is a veterinary scientist and also a diplomate of the European College of Veterinary Clinical Pathology (Dipl. ECVCP). His special interests include vector-borne and zoonotic diseases.

Osnat Eyal Ph.D. – Laboratory Manager

Available Resources

The laboratory team consists of four Ph.D. students and an M.Sc. student as well as the laboratory manager.

Laboratory Contact

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