

Wageningen Bioveterinary Research

Standard Residency Training Programme Veterinary Microbiology

(ECVM)

First year of training – rotating internship			
Description	Details	Location	Duration
Internship at different laboratories under the supervision of trained lab technicians	Intensive full-time training in test and quality procedures on-site. Rotating between serology, bacteriology, virology, molecular diagnostics, sample reception and processing, TSE's.	Department of diagnostics and crisis management, WBVR	Minimum of 16 weeks
Courses (optional)	Immunology PCR ELISA Laboratory quality management (in house training: ISO 17025)		Depending on course
Study (optional)	Focus on general principles of veterinary microbiology, immunology, host-pathogen interaction, molecular microbiology		Throughout the year
Second year of training			
Internship at animal facilities under the supervision of veterinarian	Focus on the diagnosis of infectious diseases and treatment of animals (all sorts of species) kept at the animal facilities. Collection of microbiological case material.	Animal facilities, WBVR	Minimum of 10 days
Internship at Veterinary Microbiological Diagnostic Centre	Focus on general bacteriology and mycology, mainly companion animals. Optional: collection of microbiological case material.	Faculty of Veterinary Medicine (VMDC), Utrecht (NL)	Minimum of 10 days
Internship at Royal GD Animal Health	Focus on clinical microbiology, including farm visits. Mainly livestock and horses. Optional: collection of microbiological case material.	Royal GD Animal Health, Deventer (NL)	Minimum of 10 days
Internship at National Reference Laboratory for AMR	Focus on AMR, surveillance programs	WBVR	Minimum of 3 days
Courses	Immunology Bacteriology Mycology Laboratory quality management (in house training: ISO 17025)		2 weeks – 3 months. Depending on course
Research	Participation in at least one research project related to veterinary microbiology.	WBVR	Throughout the year
Study	Focus on general principles of veterinary microbiology, immunology, host-pathogen interaction, molecular microbiology		Throughout the year
Scientific meetings	Attending scientific meetings		At least one

Third year of training			
Internship at animal facilities under the supervision of veterinarian	Focus on diagnosis of infectious diseases and treatment of animals (all sorts of species) kept at the animal facilities. Collection of microbiological case material.	Animal facilities, WBVR	Minimum of 10 days
Internship at Veterinary Microbiological Diagnostic Centre	Focus on bacteriology, including AMR, virology and mycology, mainly companion animals. Active participation in clinical cases with special attention to pathology. Visits to veterinary clinic. Collection of microbiological case material.	Faculty of Veterinary Medicine (VMDC), Utrecht (NL)	Minimum of 10 days
Internship at Royal GD Animal Health	Focus on clinical microbiology, including AMR and treatment (mainly livestock and horses). Active participation in clinical cases with special attention to pathology. Collection of microbiological case material.	Royal GD Animal Health, Deventer (NL)	Minimum of 10 days.
Internship at several departments of pathology under the supervision of certified pathologist	Focus on pathology (all sorts of species).	WBVR/ Faculty of Veterinary Medicine Utrecht (NL)	Minimum of 5 days
Courses	Epizootiology Internal medicine Pathology Public health Molecular diagnostics including sequencing AMR		2 weeks – 3 months. Depending on course
Research	Active participation in at least one research project related to veterinary microbiology.		Throughout the year
Study	Focus on AMR and molecular technologies.		Throughout the year
Scientific meetings	Attending scientific meetings.		At least one
Fourth year of training			
Internship at animal facilities under the supervision of veterinarian	Focus on diagnosis of infectious diseases and treatment of animals (all sorts of species) kept at the animal facilities. Collection of microbiological case material.	Animal facilities, WBVR	Minimum of 10 days
Internship at Veterinary Microbiological Diagnostic Centre	Focus on novel techniques/typing of pathogens, mainly companion animals. Active participation in clinical cases. Collection of microbiological case material.	Faculty of Veterinary Medicine (VMDC), Utrecht (NL)	Minimum of 10 days
Internship at Royal GD Animal Health	Focus on novel techniques/typing of pathogens. Active participation in clinical cases. Collection of microbiological case material.	Royal GD Animal Health, Deventer (NL)	Minimum of 10 days
Internship at National Reference Laboratory for AMR	Focus on molecular diagnostics, sequencing, typing and fingerprinting	WBVR	Minimum of 5 days
Research	Active participation in at least one research project related to veterinary microbiology. Publication of case results.		Throughout the year
Teaching	Supervision of students in a project related to veterinary microbiology. Presentation of at least one seminar in an academic setting.		Throughout the year
Scientific meetings	Attending scientific meetings, including at least one (poster) presentation.		At least one

