



RÉPUBLIQUE
FRANÇAISE

Liberté
Égalité
Fraternité



Laboratoire de la rage
et de la faune sauvage
de Nancy

Unité INTERFAS
(INfecTiologie - Eco-
épidémiologie - Risque -
FAune Sauvage)

Dr Gulzhan Mussayeva
Chief specialist of molecular biology and
in virology departments
**National Reference Center for
Veterinary**
Almaty
Republic of Kazakhstan

Malzéville, le 27 mars 2026

Training attendance certificate

Dossier suivi par :
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This is to certify that Dr Gulzhan Mussayeva, from the National Reference Center for Veterinary (Republic of Kazakhstan) attended a training course from 16/03/2026 to 27/03/2026 in the Nancy Laboratory for Rabies and Wildlife (France) on the following subjects:

- BHK-21 cell culture (observation)
- CVS-11 virus production (observation)
- FAVN test (observation and practice)

This training course was also dedicated to some theoretical parts: FAVN test, BHK-21 cell culture, validation of the FAVN test (control cards), titres calculation (LogD50 titres and IU/mL titres) and CVS-11 production (MOI, research of CVS-11 working dilution).

Marine Wasniewski, PhD



Deputy Director of the European Union
Reference Laboratory for Rabies
Scientific leader of Virology-Immunology-
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Nancy Laboratory for Rabies and Wildlife