



MINISTERIO
DE ECONOMIA Y
COMPETITIVIDAD



Instituto Nacional de Investigación
y Tecnología Agraria y Alimentaria

SUBDIRECCIÓN GENERAL DE INVESTIGACIÓN Y
TECNOLOGÍA

CENTRO DE INVESTIGACIÓN
EN SANIDAD ANIMAL

WORKSHOP ON MOLECULAR DIAGNOSIS OF RELEVANT ZOO NOTIC PATHOGENS

INIA-CISA MADRID 15-19 JUNE 2015



MONDAY 9:00-17:30h

Meeting hall, administration building

9-9:30h	Arrival to INIA-CISA, welcome and general information
9:30-10h	Presentation of the workshop
10-11h	Presentation of trainees (I)
11-11:30h	Coffee break
11:30-12:30h	Presentation of trainees (II)
12:30-13:15h	WNV general overview (Dr. Miguel Ángel Jiménez)
13:15h-13:45	WNV diagnosis (Dr. Francisco Llorente)
13:45-15h	Lunch
15-15:45h	Diagnosis and monitoring of CCHFV in endemic countries (Dr. Aykut Ozkul)
15:45-16:30h	RVFV general overview (Dr. Alejandro Brun)
16:30-17:15h	RVFV diagnostic technics (Dr. Federica Monaco)
17:30h	Bus departure

TUESDAY 9:00-17:30h

Meeting hall, administration building

9:00h	Arrival to INIA-CISA
9:15h-10:00h	PCR basics (Dr. Jovita Fernández)
10:00-10:30h	PCR methods for WNV and flavivirus detection (Dr. Elisa Pérez)
10:30-11h	Biosafety in BSL3 laboratories (I)
11-11:15h	Biosafety instructions to access BSL3 laboratories
11:15-11:45h	Coffee break

Hands-on training, BSL3 building: WNV molecular diagnosis (I)



11:45-12:15h	Access to BSL3 area
12:15-13:30h	Biosafety in BSL3 laboratories (II): visit to BSL3 area of CISA.
13:30-14:30h	Lunch
14:30-15:30h	Sample preparation for molecular detection of viruses
15:30-17:00h	RNA extraction (WNV)
17-17:30h	Exit from BSL3 area
17:30h	Bus departure

WEDNESDAY 9:00-17:00h

Hands-on training, BSL3 building: WNV molecular diagnosis (II)

9:00h	Arrival to INIA-CISA
9:15-9:30h	Access to BSL3 area
9:30-11h	Conventional RT-PCR for flavivirus detection
11-11:30h	Coffee break
11:30-12:30h	Multiplex real-time RT-PCR for WNV/USUV detection
12:30-13:30h	Agarose gel preparation
13:30-14:30h	Lunch
14:30-15:00h	Electrophoresis set up
15:00-15:45h	Analysis of real-time RT-PCR results. Interpretation.
15:45-16:30h	Analysis of conventional RT-PCR results. Interpretation.
16:30-17h	Exit from BSL3 area
17h	Bus departure

THURSDAY 9:00-16:30h

Meeting hall, administration building

9:00h	Arrival to INIA-CISA
9:15-10h	PCR methods for RVFV detection (Dr. Cristina Cano)
10-10:30h	Coffee break

Hands-on training, BSL3 building: RVFV molecular diagnosis

10:30-11h	Access to BSL3 area
11-12:30h	RNA extraction (RVFV)
12:30-13:30h	Real time RT-PCR for RVFV detection
13:30-15:00h	Lunch
15:00-16:00h	Analysis of real-time RT-PCR results. Interpretation
16:00-16:30h	Exit from BSL3 area
16:30h	Bus departure



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FRIDAY 9:00-15:00h

Meeting room, administration building

9:00h	Arrival to INIA-CISA
9-11h	Presentation of results and discussion
11-11:30h	Coffee break
11:30-12h	Satisfaction survey
12-13:30h	Final discussion and recommendations
13:30-15h	Lunch
15h	Bus departure