



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 ARBOVIRUSES

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
9:30-9:45h	Welcome speech ( <a href="#">Dr. Victor Briones</a> , <i>Director of INIA-CISA</i> )
9:45-10h	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 ( <a href="#">Dr. Miguel Ángel Jiménez</a> , <i>Head of Service of P3 Coordination, INIA-CISA, Spain</i> )
13:15h-13:45h	WNV diagnosis ( <a href="#">Dr. Francisco Llorente</a> , <i>Researcher, INIA-CISA, Spain</i> )
13:45-15h	Lunch
15-15:45h	Diagnosis and monitoring of CCHFV in endemic countries ( <a href="#">Dr. Aykut Ozkul</a> , <i>Professor of Virology, Ankara University, Turkey</i> )
15:45-16:30h	RVFV general overview ( <a href="#">Dr. Alejandro Brun</a> , <i>Researcher, INIA-CISA, Spain</i> )
16:30-17:15h	RVFV diagnostic technics ( <a href="#">Dr. Gian Mario Cosseddu</a> , <i>Researcher, Istituto Zooprofilattico dell'Abruzzo e del Molise-IZSAM, Teramo, Italy</i> )
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 ( <a href="#">Dr. Jovita Fernández</a> , <i>Researcher, INIA-CISA, Spain</i> )



- 10:00-10:30h PCR methods for WNV and flavivirus detection (*Dr. Elisa Pérez, Research Assistant, INIA-CISA, Spain*)
- 10:30-11h Biosafety in BSL3 laboratories (I) (*Dr. Gonzalo Pascual, Head of Service of Biosecurity, INIA-CISA, Spain; Dr. Miguel Ángel Jiménez, Head of Service of P3 Coordination, INIA-CISA, Spain*)
- 11-11:15h Biosafety instructions to access BSL3 laboratories (*Dr. Gonzalo Pascual, Head of Service of Biosecurity, INIA-CISA, Spain*)
- 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 the animal facilities of CISA (*Miguel Ángel Sánchez, Veterinarian - animal welfare specialist, INIA-CISA, Spain*).
- 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 9:00-17:00h

### Meeting hall, administration building

9:00h	Arrival to INIA-CISA
9:15-10h	PCR methods for RVFV detection ( <i>Dr. Cristina Cano, Research Assistant, INIA-CISA, Spain</i> )
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
13:30-14:30	Lunch
14:30-15:30h	Biosafety in BSL3 laboratories (III): visit to BSL3 labs and technical plants of CISA ( <i>Dr. Gonzalo Pascual, Head of Service of Biosecurity, INIA-CISA, Spain</i> )
15:30-16:30h	Analysis of real-time RT-PCR results. Interpretation
16:30-17:00h	Exit from BSL3 area
17:00	Bus departure

## 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