

WILDLIFE EPIDEMIOLOGY AND DISEASE CONTROL

6th edition, 2016-2017

Infections shared with wildlife are relevant for public health, economy and conservation. Disease emergence often takes place at the complex human/livestock/wildlife interface. This practical course provides specialized training in epidemiology and wildlife disease control at IREC by the SaBio team, in one of Europe's hotspots for this extraordinary scientific field.

Contents (selection)

Themes:

- Current health status of European wildlife: birds – lagomorphs – carnivores – wild boar – ruminants.
- Diagnostics: key techniques and their special challenges in wildlife.
- Ecology of the host-pathogen interaction.
- Epidemiology research: experimental design and sampling techniques.
- Data analysis and epidemiology software.
- Wildlife disease surveillance and wildlife monitoring.
- Options for disease control at the human/livestock/wildlife interface. Contingency plans.

Examples of current wildlife disease research:

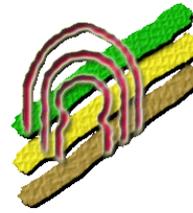
- Bluetongue.
- Pathogenic *E. coli*.
- Tuberculosis.
- Viral diseases & wild boar.
- West Nile and other flavivirus diseases.

Hands on:

- Field trip to identify disease risk factors and discuss control options.
- Methods for wildlife disease and population monitoring. Laboratory & field tools.
- Necropsies and standardized sampling procedures in birds, lagomorphs, carnivores and ungulates.



**Instituto de Investigación
en Recursos Cinegéticos**
CSIC - UCLM - JCCM



Group activities:

- Exploratory data analysis in descriptive epidemiology: prevalence, CIs, sex by age comparisons.
- Design and discussion of local and national wildlife disease surveillance schemes.
- Research paper comments and discussions.

Faculty

Directors & academic secretary:

Dr. Christian Gortázar, Dr. Ursula Höfle, Dr. Joaquín Vicente, IREC, Ciudad Real.

IREC faculty:

Dr. M^a Ángeles Risalde, Dr. J. Francisco Ruiz-Fons, Dr. Pelayo Acevedo.

Guest faculty (among others):

Dr. Ezio Ferroglio, Università degli studi di Torino; Dr. Beatriz Martínez, University of California, Davis; Dr. Maria Cruz Arnal, Universidad de Zaragoza; Dr. Mariana Boadella, Sabiotec S.L.

Practical information:

Language: English.

Organized by: Universidad de Castilla – La Mancha.

Site: IREC, Ronda de Toledo 12, 13005 Ciudad Real, Spain (www.uclm.es/IREC).

Timing and fee: 12 ECTS split in two periods: (I) November 7-11, 2016 and (II) March 13-17, 2017; plus field trips and seminars. Fee: 490€. Deadline for application: October 31st, 2016.

Information & inscription: encarnacion.delgado@uclm.es; <http://www.cececfps.posgrado.uclm.es/default.aspx>

Additional info on SaBio research group: www.SaBio-IREC.com

