



WILDLIFE EPIDEMIOLOGY AND DISEASE CONTROL

4th edition, 2014-2015

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, 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.
- Tuberculosis.
- Brucellosis.
- Avian influenza.
- 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.



SABIO
Sanidad y Biotecnología
Health and Biotechnology



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

UCLM, SaBio:

Dr. Christian Gortázar, Dr. Ursula Höfle, Dr. Joaquín Vicente, Dr. Pelayo Acevedo, Dr. J. Francisco Ruiz-Fons; SaBio IREC, Ciudad Real.

Guest faculty (among others):

Dr. Juan José Badiola & Dr. Daniel Fernández de Luco, Universidad de Zaragoza; Dr. Mariana Boadella, SABIOtec spin-off and Erasmus Medical Centre, Rotterdam; Dr. Ezio Ferroglio, Università degli studi di Torino; Dr. Beatriz Martínez, University of California, Davis.

Practical information:

Main language: English.

Organized by: Universidad de Castilla – La Mancha.

Site: IREC, Ronda de Toledo s.n., 13071 Ciudad Real, Spain (www.uclm.es/IREC).

Timing and fee: 12 ECTS split in two periods: (I) October 22-26, 2012 and (II) February 25 – March 1, 2013; plus field trips and seminars. Fee: 490€. Deadline for application: October 10, 2014.

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

