

3th PARAVAC TRAINING WORKSHOP

Immunohistochemistry: Principles and applications in helminth infections

Córdoba 18th-19th March 2014

Animal Health Building, Campus Rabanales, University of Córdoba

OVERVIEW

This workshop is intended as an introduction to immunohistochemistry techniques and their application to evaluate the host immune response in helminth infections in ruminants. Participants will receive seminars detailing currently employed methodologies followed by practical sessions to carry out and to interpret immunohistochemical techniques.

PROGRAMME:

18th March 2014

Part I. Basic principles of immunohistochemistry

930-1100: Definitions, basic immunohistochemistry, fixation, tissue processing, antigen retrieval, automation IHQ, troubles shooting
Prof. José Pérez (University of Córdoba, Spain). Room S1

1100-1130 Coffee break

1130-12.30: History, antibodies, staining methods, substrates and chromogens, Controls, Background, alternatives to IHQ
Dr. Verónica Molina (Queens Belfast University).Room S2

1230-1400: Lunch

Part II: Practical sessions

1400-1600 practical IHQ technique (ABC method)
Alejandro Escamilla (Group A), María Teresa Ruiz (Group B)

1600-1630 Coffee break

1630-1900 practical IHQ technique (ABC method)
Alejandro Escamilla (Group A), María Teresa Ruiz (Group B)

19th March 2014

Part II: Practical sessions

900-1000

Group A: IHQ interpretation- Prof. José Pérez (University of Córdoba)

Group B: Fixation, tissue processing, sectioning (Isabel L. Pacheco, University of Córdoba). Cell counting (Dr. Rafael Zafra, University Las Palmas de Gran Canaria)

1000-1100- IHQ technique II

Group B: IHQ interpretation.- Prof. José Pérez (University of Córdoba)

Group A: Fixation, tissue processing, sectioning (Isabel L. Pacheco, University of Córdoba). Cell counting (Dr. Rafael Zafra, University Las Palmas de Gran Canaria)

1100-1130: Coffee break

11,30-1300

practical IHQ technique (ABC method)

Alejandro Escamilla (Group A), María Teresa Ruiz (Group B)

1300-1400 Lunch

1400-1530 Part III: Application of immunohistochemistry in ruminant helminth infections

Prof. José Pérez (University of Córdoba). Room S1

1530-1600 Coffe break

1600-1700 IHQ interpretation

Prof. José Pérez (University of Córdoba)

1700 End of the workshop.

Fdo. José Pérez Arévalo
Workshop coordinator