

# **Master's Degree in Laboratory Animal Science and Welfare**

## **Course Director:**

Patri Vergara (Dip. ECLAM)

Department of Cellular Biology, Physiology and Immunology. Faculty of Veterinary Science, Universitat Autònoma de Barcelona

(tel: +34 935 811 848; e-mail: [patri.vergara@uab.es](mailto:patri.vergara@uab.es))

## **Module: Animal Experimentation: Welfare, Legislation, Ethical Committees and Evaluation of Projects**

### **Module coordinators:**

Prof. Xavier Manteca Vilanova

Departamento de Ciencia Animal y de los Alimentos. Facultad de Veterinaria (UAB, Barcelona)

### **Teaching Staff** (as per the last edition, March 2022):

David Anderson, Home Office, UK/ European Commission

Ignacio Álvarez Gómez de Segura, Veterinary School, University Complutense, Madrid, Spain

Marta Amat, Veterinary School of Barcelona, Spain

Aurora Bronstad, University of Bergen, Norway

Ana Criado, Aptuit, Verona, Italy

Anne-Dominique Degryse, ECLAM, France

Kate Garrod, Compliance Consultant, Red Kite Vets, UK

Jan Langermans, Biomedical Primate Research Center (BPRC). The Netherlands

Xavier Manteca, Veterinary School of Barcelona, Spain

Juan Ramos, Universitat Autònoma de Barcelona, Spain

Peter Sandoe, University of Copenhagen, Denmark

Hugh Simmons, Animal and Plant Health Agency (APHA), UK

Oriol Tallo Parra, Veterinary School of Barcelona, Spain

Patri Vergara, Veterinary School of Barcelona, Spain

Hanno Würbel, University of Bern, Switzerland

## **Module: Management of Animal Facilities. Breeding and Animal Care Programs.**

### **Programme Advisor:**

Javier Guillen, AAALAC International, Spain

**Teaching Staff** (as per the last edition, October 2022):

Xavier Abad, CReSA-IRTA, Barcelona.

Isabel Blanco, CNIO, Madrid, Spain

Joana Bom. Instituto Gulbenkian de Ciéncia, Oeiras, Portugal

Sara Capdevila. Center of Comparative Medicine and Bioimage, CMCCiB, Research

Institut Germans Trias i Pujol, Badalona, Spain

Carmen Carrillo. Matachana, Spain.

Constantino Cespón, CNIO, Madrid, Spain

Ivan Cordon, CReSA-IRTA, Barcelona.

Thierry Decelle. Sanofi, Marcy L'Etoile, France

Nicolas Dudoignon, Sanofi, France

Rafael Frias. Karolinska Institute, Stockholm, Sweden

Patricia Hedenqvist. Swedish University of Agricultural Sciences, Uppsala, Sweden

Marta Giral. Almirall, Barcelona.

Alberto Gobbi, Cogentech S.c.a.r.l., Milan Italy

Javier Guillén Izco. AAALAC International, Pamplona, Spain

Ricard March. HIPRA, Girona. Spain

Ani Obaya. Envigo/Inotiv, Loughborough, UK

Helena Paradell. Zoetis. Olot, Spain

Juan Ramos, Universitat Autonoma de Barcelona, Spain

Jose Manuel Sanchez-Morgado, Trinity College Dublin, University of Dublin, Ireland

Josep Santigosa. Biosis SL, Barcelona, Spain

Fabrizio Scorrano, Novartis. Basel, Switzerland

David Solanes Foz. Zoetis. Olot. Spain

Thomas Steckler, Janssen Research & Development, Belgium

Christian Urdiales Garcia, Techniplast S.p.A, Italy

Joana Visa, Visa Coaching Institute, Spain

Sarah Wolfensohn. School of Veterinary Medicine, University of Surrey, UK

## **Module: Genetics of Laboratory Animals and Experimental Models**

### **Module coordinators:**

Belen Pintado, Centre Nacional of Biotechnology, Madrid, Spain

Sergio Berdún Marín, Research Parc of Barcelona (PCB) and Veterinary School, Barcelona, Spain

**Teaching Staff** (as per the last edition, March 2023):

Lucía Acal, HIPRA, Amer, Spain

Joaquim Alves da Silva. Champalimaud Research, Lisbon, Portugal Laura Aranda, PRBB, Barcelona, Spain

Antonio Armario, Institut de Neurociències, Universitat Autònoma de Barcelona, Spain

Sandra Barbosa, Servei Estabulari, UAB, Barcelona, Spain

Eloi Barcelona, HIPRA, Amer, Spain

Carlos Baldellou, Universitat Autònoma de Barcelona, Spain Carles Bandini, Anapath Research, Spain

Salvador Bartolome, Laboratori de Luminescència i Espectroscòpia de Biomolècules,,UAB, Spain Fernando Benavides, Dpt. of Epigenetics and Molecular Carcinogenesis. MD Anderson Cancer Center, Houston, Texas, USA.

Sergio Berdun, Parc Cientific de Barcelona (PCB) Barcelona, Spain Cory Brayton, Johns Hopkins Medicine, Baltimore, USA

James Bussell, Biomedical Services Department. University of Oxford, United Kingdom

Agustí Casadesús. Toxicologist, Barcelona, Spain.

Anabel Cañadillas, Anapath Research, Spain Josep Manel Chica, HIPRA, Amer, Spain

Mariano Domingo Álvarez, CReSA-IRTA, Spain,

Verónica Domínguez Plaza, CNB-CSIC, Madrid Spain

Oscar Escolar Sánchez, Institut de Ciències del Mar, Barcelona, Spain Carme Fabregat Roig, zebrafish specialist. Barcelona, Spain

Fernando Angel Fernández Alvarez, Institut de Ciències del Mar, Barcelona, Spain

Julia Fernández Punzano, Centro Nacional de Biotecnología, CNB-CSIC, Madrid, Spain Mònica Ferrer Roda, Laboratory of animal reproduction, UAB, Spain

Graziano Fiorito, Stazione Zoologica Anton Dohrn, Napoli, Italy

Ana Garcia, Anapath Research, Spain

Cristina García, Idibell, Barcelona, Spain

Tomás Gracia Robles, Research Centre Príncipe Felipe (CIPF), Valencia, Spain

Miriam Illa, BCNatal Foetal Medicine Research Center, Hospital Sant Joan de Deu, Barcelona, Spain Jean Jaubert, Institute Pasteur, Paris, France

Asier López, Anapath Research, Spain Eduard Martin, HIPRA, Amer, Spain

Lluís Montoliu, Centro Nacional de Biotecnología, CNB-CSIC, Madrid, Spain Ángel Naranjo, Centro Nacional de Biotecnología, CNB-CSIC, Madrid, Spain

Teresa Paramio, Departament de Ciència Animal, Universitat Autònoma de Barcelona

Joan Perez, HIPRA, Amer, Spain

Belén Pintado. Centro Nacional de Biotecnología, CNB-CSIC, Madrid.

Jordi Polo, Anapath Research, Spain

## **Module: Microbiology, Diseases and Health Monitoring**

### **Module coordinators:**

M Neus Prats Costa. IRB Barcelona – Institute for Research in Biomedicine, Barcelona, Spain

### **Teaching Staff** (as per last edition November 2023)

Mariona Aulí, Almirall, Spain

Marion Berard, Institute Pasteur, France

Laurence Bonnet, Marshall BioResources, France

Stephanie Buchheister , Hannover Medical School, Germany

Mariano Domingo, Departament of Animal Health. Universitat Autònoma de Barcelona, Spain

Ricardo Feinstein, The National Veterinary Institute, Sweden

Patrick Hardy, FELASA Working Group on Farm Animals, France

Jan Langermans, Biomedical Primate Research Center (BPRC), The Netherlands.

Ricard March, Laboratorios Hipra S.A., Spain

Jean-Philippe Mocho, Joint Production System Ltd., UK

Francesc Padrós, Departament of Animal and Vegetal Biology and Ecology. UAB, Spain  
Neus Prats, Institute for Research in Biomedicine IRB-Barcelona, Spain  
Irene Ruano, Institute for Research in Biomedicine IRB-Barcelona, Spain  
Yolanda Saavedra, University of Surrey, UK

## **Module: Anaesthesia, Analgesia and Euthanasia of Laboratory Animals**

### **Module coordinators:**

Ignacio Álvarez Gómez de Segura. Facultad de Veterinaria, Universidad Complutense, Madrid.

### **Teaching Staff** (as per the last edition, March 2024):

Klas Abelson. Department of Experimental Medicine, University of Copenhagen, Denmark  
Adrià Aguilar. Faculty of Veterinary Medicine, Universitat Autònoma de Barcelona, Spain  
Ignacio Álvarez. Faculty of Veterinary Medicine, Universidad Complutense de Madrid, Spain  
Mario Arenillas. Getafe Hospital, Madrid, Spain  
Javier Benito. Faculty of Veterinary Medicine, University of Montreal, Canada  
Ariel Cañón. Vall d'Hebron Research Institute (VHIR), Barcelona, Spain  
Cristina Costa. Faculty of Veterinary Medicine, Universitat Autònoma de Barcelona, Spain  
Paul Flecknell. Comparative Biology Centre. University of Newcastle, UK  
Patricia Hedenqvist. University of Agricultural Sciences. Sweden  
Francisco Laredo. Faculty of Veterinary Medicine, Universidad de Murcia, Spain  
Carlota Largo. Hospital la Paz. Madrid, Spain  
Xavier Moll. Faculty of Veterinary Medicine, Universitat Autònoma de Barcelona, Spain  
Francesco Staffieri, Department of Precision and Regenerative Medicine and Ionian Area, Faculty of Veterinary Medicine, University of Bari “Aldo Moro”, Bari, Italy

## **Module: Reduction and Refinement in Experimental Design and Methodology. Research and Development of Drugs**

### **Module coordinators:**

Joan Antoni Fernández Blanco. Parc de Recerca Biomèdica de Barcelona (PRBB) Barcelona and Faculty of Veterinary Medicine, Universitat Autònoma de Barcelona

### **Teaching Staff** (edition November 2024):

Joana Almeida, Labcorp Drug Development, Huntingdon, UK  
Albert Altafaj, Vall d'Hebron Institute of Oncology (VHIO), Barcelona, Spain

Julio Alvarez, Data Sciences International, Belgium  
Elena Abellán Rubio, Microsurgery unit, Centro de Cirugía de Mínima Invasión Jesús Usón, Cáceres, Spain  
Raquel Baile, PANLAB, Spain  
Carlos Baldellou Estrada, Universitat Autònoma de Barcelona, Barcelona, Spain  
Manuel Berdoy, Oxford University, UK  
Ana Paula Candiota, Department of Biochemistry and Molecular Biology, Universitat Autònoma de Barcelona, Barcelona, Spain  
Estefania Contreras, CReSA/ IRTA, UAB, Barcelona, Spain  
Lukas (Stulik) Dillinger, X4 Pharmaceuticals, Viena, Austria  
Marielle Esteves Coelho, Vall d'Hebron Research Institute (VHIR), Barcelona, Spain  
Laura Fresno, Endolab, Hospital Clinic Veterinari, Barcelona, Spain  
César Galo García Fontecha, Hospital Sant Joan de Deu, Barcelona, Spain  
Marta Giral, Almirall, Barcelona, Spain  
Ferran Jardi, Janssen Research & Development, Belgium  
Silvia Lope, Servei de Ressonància Magnètica Nuclear (Service of MRI), Universitat Autònoma de Barcelona, Barcelona, Spain  
Julia Menon, Preclinicaltrials.eu, France  
Fernando de Mora, Department of Pharmacology, Universitat Autònoma de Barcelona, Barcelona, Spain  
Camen Navarro, Unit of Quality in Research, Universitat de Barcelona, Spain  
Merel Ritskes-Hoitinga, Utrecht University, The Netherlands  
Kate Read, Labcorp Drug Development, Huntingdon, UK  
Daniel Ruiz, Trinity College, Dublin, Ireland  
David Sabaté, ONDAX Scientific, Barcelona, Spain  
Angelica Salas, Vall d'Hebron Institute of Oncology (VHIO), Barcelona, Spain  
Laura Santos, Endolab, Hospital Clinic Veterinari, Barcelona, Spain  
Fabrizio Scorrano, Novartis, Basel, Switzerland  
Anna Server Salvà, Vall d'Hebron Research Institute (VHIR), Barcelona, Spain  
Francisco Javier Vela, Microsurgery unit, Centro de Cirugía de Mínima Invasión Jesús Usón, Cáceres, Spain  
Kim Wever, Radboud University Medical Center, Radboud Institute for Health Sciences, Dept. of Anesthesiology, Nijmegen, The Netherlands  
Julio Alvarez, Data Sciences International, Belgium