

<b>Nationality</b>	Spanish
<b>Date of birth</b>	
<b>Work title</b>	Pathologist
<b>Languages</b>	Spanish: mother language English: fluent, spoken and written Italian: fluent, spoken and written

### 1. Degrees and diplomas

1992- Degree in Veterinary Medicine Veterinary School, Universidad Complutense de Madrid (Spain).

2000-Certificate in Laboratory Animal Science (CertLAS) from the Royal College of Veterinary Surgeons

2002-PhD in Veterinary Medicine (Universidad Complutense of Madrid ) on the *Effect of analgesics on the Minimum Alveolar Concentration (MAC) of isoflurane in the rat.*

2009- Diplomate of European College of Laboratory Animal Medicine (DipECLAM)

### 2. Attendance to Professional Courses

- Introductory Course for Named Veterinary Surgeons. 24- 26 November 1999, Newcastle upon Tyne- UK
- CertLAS revision course, April 2000, AstraZeneca, Macclesfield.
- CertLAS revision course, June 2000, University of Newcastle.
- Training in Laboratory Animal Pathology for Laboratory Animal Veterinarians. Royal Veterinary College, Hawkshead Campus- UK, 6 Modules 2000- 2002
- Issues and Challenges in Drug Discovery and Development, 23-24 November 2004, GSK Verona-Italy
- Leading in the Matrix, 8-9 November 2004, GSK Verona-Italy
- Enhance Advocate Training, 24-26 January, GSK Ware- UK
- Managers and leaders can coach, 17-18 October 2006, GSK Verona-Italy
- EUPRIM-Net Courses : Primate Social Systems, Reproduction and Breeding (24-26 October 2007), Primate Nutrition (4-7 February 2008) and Stress and its Implication on Primate Welfare (13-16 October 2008). Deutsch Primatem Zentrum, Göttingen- Germany
- Various BSTP Modules (2010-2014)

### 3. Professional activities

Nov 2010 to present	<b>Pathologist</b> Toxicology and Pathology, Aptuit- Italy
Mar 2003 to Nov 2010	<b>Senior Veterinarian</b> Laboratory Animal Science, GlaxoSmithKline- Italy
Feb 2001 to Mar 2003	<b>Veterinarian</b> Animal Models and Investigator Support Group, GlaxoSmithKline UK
Feb 1999 to Feb 2001	<b>Resident in Laboratory Animals Science</b> Laboratory Animal Science Department, SmithKline Beecham- UK under the supervision of Dr Tim Morris
May to Aug 1997	<b>Honorary Research Associate</b> Comparative Biology Centre. University of Newcastle, Newcastle-upon-Tyne - UK. Supported with a grant from Laboratory Animals Ltd
Sep 1996 to Dec 1999	<b>PhD student</b> Hospital Universitario La Paz. Madrid- Spain. Under the supervision of Dr IA Gomez de Segura

Apr1993 to Jun 1996

***Veterinarian in small animal practice***

Oct 1992

Surgery and Anaesthesia Department . School of Veterinary Medicine,  
University of California, Davis- USA.

## **5. Selected LAS experience**

- Animal species: rodents (mice, rats, hamsters, guinea-pigs, gerbils), rabbits, ferrets, marmosets, pigs, Xenopus, dogs and cats
- Local Ethical Review Process
- Working knowledge of european, british and italian legislation covering the use of laboratory animals.
- Clinical care program including health monitoring
- Provision of technical support for research projects with focus on anaesthesia, surgery and pain relief
- Member of Severity Assessment FELASA/ESLAV/ ECLAM Working Group

## **6. Publications**

Evaluación de un nuevo anestésico intravenoso: propofol. (Evaluation of a new intravenous anaesthetic: propofol). Revista clínica de pequeños animales 1991, 11 (4): 231-239. IA Gómez de Segura, FJ Tendillo, A Criado.

Cardiopulmonary and analgesic effects of epidural lidocaine, alfentanil and xylazine in pigs anesthetized with isoflurane. Veterinary Surgery 1993, 22 (1): 87. AM Pera, A Mascias, A Criado, FJ Tendillo.

Alpha-2 as a regional anaesthetic in the cow. Journal of Veterinary Anaesthesia, 1993, 20: 85-87. IA Gómez de Segura, FJ Tendillo, F Marsico, A Criado.

Warm ischemic time tolerance after ventilated non-heart-beating lung donation in piglets. European Journal of Cardio-thoracic Surgery 1998, 14: 319-325. R Greco, G Cordovilla, E Sanz, J Benito, A Criado, E González, E De Miguel.

Aspirin synergistically potentiates isoflurane minimum alveolar concentration reduction produced by morphine in the rat. Anesthesiology 1998, 89 (6): 1489-1494. IA Gómez de Segura, A Criado, M Santos, FJ Tendillo.

Epidural injection of ketamine for caudal analgesia in the cow. Journal of Veterinary Anaesthesia 1999, 26(1) F Marsico, A Criado, IA Gómez de Segura.

Reduction of the MAC of isoflurane with buprenorphine in the rat. Laboratory Animals 2000, 34(3): 252-259. **A Criado**, FJ Tendillo, F Marsico, IA Gómez de Segura.

Validation of MRI measurement of cardiac output in the dog: the effects of dobutamine and minoxidil. Toxicology Mechanisms and Methods 2003, 13: 39-43. PD Hockings , AL Busza, J Byrne, B Patel, SC Smart, DG Reid, HL Lloyd, A White, K Pointing, BA Farnfield, A Criado-Gonzalez, GA Whelan, GL Taylor, JM Birmingham, MR Slaughter, JA Osborne, A Krebs-Brown, D Templeton.

Reduction of isoflurane MAC by fentanyl or remifentanyl in rats. Veterinary Anaesthesia and Analgesia 2003, 30: 250-256. **A Criado** and IA Gómez de Segura.

Use of cyanoacrylate gel as a substitute for dental cement in intra-cerebro ventricular (ICV) cannulations in rats. *Contemporary Topics in Laboratory Animals* 2003, 42(3): 13-16. **A Criado**, J Barford, F Parker, S Bate, G Whelan.

Chapter on *Experimental procedures: dosing and sampling* (Procedimientos experimentales: vías de administración y obtención de fluidos) IA Gómez de Segura and A Criado. 2<sup>nd</sup> edition of "Ciencia y tecnología en protección y experimentación animal" (Editor: Zúñiga et al.; McGraw-Hill - Interamericana, 2001).

Determination of the minimum alveolar concentration (MAC) for halothane, isoflurane and sevoflurane in the gerbil. IA Gómez de Segura, J Benito, A Criado. *Laboratory Animals* 2009, 43: 239-243.

Circadian profile of peripheral hormone levels in Sprague-Dawley rats and in common marmosets (*Callithrix jacchus*). S Bertani, L Carboni, A Criado, F Michielin, L Mangiarini, E Vicentini. *In Vivo* 2010, 24: 827-836.

Neuroanatomy-based matrix-guided trimming protocol for the rat brain. R. Defazio, A. Criado, V. Zantedeschi, E. Scanzini. *Toxicologic Pathology* 2015. 43(2):249-56.

## 7. Guest speaker

- Seminario de Anestesiología Veterinaria AVEPA- SmithKline Beecham, Madrid- Spain, 27-28 November 1993.  
"Parenteral anaesthesia"
- ESLAV-AISAL Meeting on "Recent trends in herd monitoring and analgesia in laboratory animals" Gargnano del Garda- Italy, 9-11 September 2001.  
"Assessment of the analgesic potency of opioids during the intra-operative period, using minimum alveolar concentration (MAC) reduction"
- AISAL Symposium: Benessere animale nella sperimentazione, stato dell'arte e prospettive future. Roma- Italy, 13-14 October 2003.  
" MRI in drug development"
- VII Congreso Nacional de la Sociedad Española para las Ciencias del Animal de Laboratorio (SECAL). San Sebastian- Spain, 8 November 2003  
" Advances in euthanasia of laboratory animals"
- 5th ESLAV Scientific Meeting: Imaging, Immunology and Vets. Nantes- France, 12-13 June 2004.  
"Use of cyanoacrylate gel as a substitute for dental cement in intracerebroventricular cannulations in rats"
- AISAL Symposium. Milano- Italy, 23 November 2007  
"Training di cani destinati alla ricerca: Teoria e Pratica".
- AISAL Meeting. Bologna University, Bologna-Italy, September 2009  
"Valutazione del dolore negli animali di laboratorio"
- EUPRIM-net course : General Primatology for Animal Caretaker and Technicians. CNR-Rome- Italy, 9-11 November 2009  
"I primati nella ricerca biomedica"

- Corso Istituto Superiore di Sanità: La nuova Direttiva Europea 2010/63 sulla sperimentazione animale: aspetti teorici, normativi e applicativi, Roma- Italy, May 2011 & September 2012  
"Severity criteria nella nuova Direttiva Europea 2010/63"
- 12th Congress FELASA-SECAL, Barcelona-Spain, June 2013  
"Severity Assessment and End-point in Disease Models: Severity assessment of a rat stroke model"
- AISAL Symposium: Riconoscimento e gestione del dolore nella ricerca preclinica e veterinaria. Imola- Italy, October 2013  
"Classificazione della severita' delle procedure sperimentali e valutazione retrospettiva nella nuova Direttiva Europea"

#### **8. Teaching experience**

- Collaborator on the "I Curso Teórico-Práctico de Anestesiología Equina" organized by Lugo Veterinary School, Lugo- Spain, 1-4 October 1992.
- Home Office course module 1 to 5, SmithKline Beecham and GlaxoSmithKline, years 2000–2003 (lectures and practicals)
- Category C course organized by AISAL "Effect of procedures on experimental data" Milano- Italy, November 2003
- Lecturer in the Master in Laboratory Animals Science at Barcelona University (years 2001, 2002, 2005 and 2016)

#### **9. Other professional experience**

- Reviewer for Laboratory Animals
- Reviewer for Veterinary Anaesthesia and Analgesia
- Co-leader in the Workshop "Dosing and sampling in marmosets", EMRG Meeting, Paris, November 2002
- Co-organiser of the EMRG Meeting in Milan 2006