

CURRICULUM VITAE



PERSONAL INFORMATIONS

Name COSTA PATRIZIA
Phone [REDACTED]
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WORK EXPERIENCE

Present

AAALAC International EMERITUS Council member . Laboratory Animal Science (LAS) and 3Rs senior consultant . Lecturing professor and Lab.Animal Science and 3Rs courses provider . Animal welfare bodies (OPBA) member . FELASA E&T accreditation courses reviewer . EU commission and ERC Funded project evaluator and ethical reviewer ..

- International senior consultant for Laboratory Animal Science , animal welfare , 3Rs and *in vivo* quality system. (Animal care and use programs assessment and organization , 3Rs principles dissemination and scientific application , Intramural L.A.S courses provider).

From 2013 to 2015 . Novartis /GSK Vaccines Siena site , consultant for :

- a) AAALAC accreditation gap assessment and accreditation process adviser
- b) Training courses in Laboratory Animal Science and 3Rs (syllabus EU commission endorsed document on Education and training) for researchers , research technicians and animal care personnel)

- AAALAC Int. Emeritus Council member from July 2016 . AAALAC International Council of Accreditation board member from 2002 to July 2016. More than 50 inspected facilities in private and public institutions (geographic areas : Europe , Africa and United States)
- L.A.S Lecturing professor for italian public universities
- Named expert for EU Commission and ERC from 2004 to today (scientific and ethical review)
- Animal Welfare Body (OPBA) vice president for Tuscany Life Science Foundation (Siena -italy)
- Animal Welfare Body (OPBA) member of the Siena University (Italy) - scientific member
- Council member and founder of IPAM (Italian Platform on Alternatives Methods) ECOPA Constituent platform
- FELASA E&T LAS courses reviewer
- Researchers (P.I) advisor for LAS , International regulation and Refinement .

Past

1983-1988

Research fellowship at Italian National Health Institute . Toxicology department . Behavioural Toxicology and Ecotoxicology . Neurotoxicity of methyl mercury in primates and rodents . NHP (M. fascicularis) and Rodents Neurobehavioral toxicologist . Responsible of the housing and breeding of the experimental animals and newborn monkeys (nursery)

1988

Research fellowship at National Research Council of Italy . Comparative Psychobiology Department (Dir. Dr. Antonucci) . Cognitive tests in *Cebus apella* e *Macaca fascicularis* and deputy director of the NHP primats colonies .

Head and licence holder of animal facilities :

1988-1990

At Enimont (gia' EMMA Monterotondo RM) (breeding and user rodents facility)

1990-2004

At Istituto di Ricerche di Biologia Molecolare (IRBM) - Merck Research Laboratories . Pomezia - Roma (SPF and SOPF Transgenic KO rodents - barrier

	facility- breeding and user facilities)
2004-2011	At Fondazione Parco Biomedico San Raffaele di Roma . (large animal surgery facility – SOPF rodents barrier facility – SPF rodents semi barrier facility - conventional facility)
2011 -2014	At Harlan laboratories Italian facilities : 3 rodents breeding facilities (1 integral barrier facility and 2 barrier facilities) 1 rodent user facility (conventional facility) and 1 NHPs supplier facility
2015	At Novartis /GSK vaccines Siena site (IT) 3 Rodent facilities (Two GMP facilities and 1 research facility)
Others	
2006-2009	European Food and Safety Authority-EFSA- Animal Health Animal Welfare named scientific panel member . Scientific expert opinion reports .
EDUCATION	
1985	Ph.D. in Biology, University La Sapienza , Rome , Italy, Graduation Score: 110/110 cum laude
1994	Criopereservation course Jackson Laboratories – Maine - USA
1995	FELASA LAS Category C course
1996-1998	Laboratory Animal Science Specialization school (70/70 Full honours and academic Kiss) faculty of veterinary medicine Milano (IT)
1998	Occupational Health and Safety program for people involved in animal experiment - Merck Research Laboratories USA
1999	Advanced animal Facility planning technical criteria Quality Assurance : AAALAC (International Association for the Assessment and Accreditation of Laboratory Animal Care) Accreditation process (AAALAS - AAALAC. U.S.A:)
2001	International Bioethics course for EU and USA faculty member Istituto Internazionale di Bioetica (U.S. National Science Foundation and Luso American Development Foundation) (60h)
2003	Bioethics and environmental education course (90 h) La Sapienza University of Rome (IT)
2002 to today	Continuos education courses on animal care and use program international regulations and guidelines consistency exercise . AAALAC int. (4 webinar e 4 international conjoint meeting /year)
2013	International FELASA meeting
2014	International symposium . The implementation of EU Education and Training Framework under Directive 2010/63/EU
PERSONAL SKILLS .	
MOTHER LANGUAGE	Italian
OTHER LANGUAGES	
	English
• reading	C2
• writing	C2
• understanding and spoken interaction	C2
SKILLS AND COMPETENCES	Competences achieved and developed by: Management , responsibility and assessment of complex structures

and research supporting activities aimed at improving the quality of the in vivo system and of the experimental data obtained by improving the animal welfare and in compliance with national and international laws and guidelines .

International Inspector for the assessment of the quality of the animal care and use program in private and public Institutions . International relations and networking activities as member of the Council of Accreditation of AAALAC International (<http://www.aaalac.org>) and Emeritus council member .

Work organization, planning and coordination of personnel in research centers .

Reorganization of the Animal care and use program in complex structures in collaboration with Global Functions and Local Management (CEO, researchers, veterinarians and technicians) (Gap assessments)

Relationships and partnerships with national and international institutions and professional technical collaboration for the revision and development of new guidelines and legislative proposals in the field of animal welfare and animal testing.

Continuous contact with colleagues and researchers at various stages of the research projects planning, scientific and technical support in LAS , 3Rs, legislation .

Researchers and technicians LAS and 3Rs training courses provider and scientific director

Animal welfare body members training courses organizer .

Planning and team coordination of international audit /inspection and audit/inspections reports (AAALAC Site visits , EU commission , ERC , FELASA courses).

Discussions, consensus and reporting for EU commission founded projects review activities (scientific and ethical review)

Ability to capture the trust of colleagues and young people by transmitting the same passion for the welfare of the animals , the science and the biomedical research in accordance with the highest ethical principles.
Promoting of the animal welfare and 3Rs scientific approach like quality of the data in biomedical science .

- Exposure fluid and competent of the topics covered by the lesson (to students and graduates, such as graduate veterinarians), making available biological and ethical concepts also very complex and stimulating learners in their curiosity.

ORGANIZATIONAL SKILLS

Organization and review of workflows and output in complex structures.
Organization and planning lead of international site visit and audit with colleagues coming from different geographical areas and in different geographical areas
Animal facilities planning, organization, and program implementation at the national and international level
Organization of conferences, workshop and courses for veterinarians and researchers.

TECHNICAL SKILLS

Excellent knowledge and efficiency evaluation of complex technical systems (HVAC-biocontainment and bioeslusion systems etc).
Laboratory animals Facilities planning .
Good ability to use the most common word processors, spreadsheets, presentations, image processing, databases, e-mail management.

LECTURING PROFESSOR ACTIVITIES

2016 La Sapienza University Lecturing professor (PhD courses in LAS and 3Rs)
2015 Messina University /Scilla biotech . Resident LAS and 3Rs Course provider
(Principal Investigators training courses (b) profile like in directive 63/2010)-
Syllabus like : EU endorsed document on education and training .

2014-2015 GSK . LAS and 3Rs course provider . Principal Investigators training
courses (b) profile like in directive 63/2010)- Syllabus like : EU endorsed
document on education and training . (ITALIAN and ENGLISH version)

2014 . Universita' di Roma La Sapienza .interfaculty PhD LAS short course .

2014 - Novartis . Course provider . LAS Lab. anim. technicians training course (a
- c- d profile directive 63/2010)- Syllabus : EU endorsed document on education
and training .

2013 - University of 'Siena. LAS and 3Rs training course coordinator (80 h) cat. C
FELASA syllabus

2010 Coordinator and holder of Intramural course for the Animal Welfare Body
members in Sanofi Aventis

Lecturing Professor from 2004 to 2012 at the University of Rome La Sapienza.
Faculty of Medicine - Degree in Medical Biotechnology and Biomolecular science .
LAS course 80h (9CFU) Category C FELASA syllabus course coordinator and holder

Since 2008 collaborates with the IZS Brescia taking lessons in training courses in
the science of laboratory animals (animal transgenesis, animal welfare and 3Rs)

Lecturing Professor from 1999 to 2008 at the University of Milan La Statale.
Faculty of Veterinary Medicine. Specialization School in Laboratory animal
science and medicine lectures on : genetically modified animals, GM
phenotyping process in human diseases mouse models and GM welfare
assessment (from day 1)

Lecturing Professor from 1993 to 1998 at the University of Rome La Sapienza.
Faculty of Medicine - LAS Course holder (30 h): use of laboratory animals in
biotechnology. Biomedical lab technicians degree

Publications

Activities like trainer

See annex 2

Participation, as speaker, moderator and scientific organization, to numerous
courses and conferences with interventions on Laboratory Animals Science :
animal welfare and quality 'of animal testing according to the principle of the 3Rs,
safety in animal facilities, GM animals and animal welfare, bioethics and law,
organization and planning of animal facilities, Quality of the in vivo system,
personnel training and training programs, national and international guidelines
and regulations , implementation of the new EU directive (see Annex 1),

OTHER INFORMATIONS

Since July 2011 he collaborates with the Italian national reference center on alternatives and animal welfare (IZSLER) .

From July 2016 is named EMERITUS member of AAALAC international. From 2002 to July 2016 , board member of the European session of the Council of Accreditation of AAALAC International. In this positions performs Site Visit on an international scale for the release of 'accreditation of animal care and use programs" . (<http://www.aaalac.org/>).

As a member of the European Council of accreditation, participated in the working group on the comparative study and the implementation of the new NIH guidelines and European Directive 63/2010 / Eu. In the same position participates as board member of the committee on the scientific and international guidelines to be adopted as reference AAALAC documents.

Since 2002 collaborates with the European Commission as an "expert " for the scientific review of projects financed under the 6th, 7th Framework Programme and the present Horizon 2020 programme.

From 2006 to 2009 scientific expert selected by EFSA " European Food Safety Authority on the expert panel Animal Health - Animal Welfare (AHAW) and in this position published Different EFSA scientific opinion on animal welfare related issues.

Member of the FELASA Education and training board for the : accreditation of Laboratory Animal Science training course (Cat. A-B-C-D) from 2002 to December 2009.

From 2006 to 2009 'was external member for animal experimentation ethics committee of the Integrated Project: Eurothynamide - European Commission 6th Framework Program.

From 2005 to 2008, and 'was appointed external member of the Ethics Committee of the IZS Umbria and Marche IT.

From 2008 to 2013 she collaborated with the European Commission as an expert appointed for the review and evaluation of the technical and scientific infrastructures in Europe operating in the strategic sector of the life sciences. (Medium impact / project: 100 Mil.Euro) 7[^] Framework program

Since 2008 to 2014 she collaborates as lecturing professor with the IZS of Lombardy and Emilia Romagna (national contact point for veterinary education and animal welfare)

From 2012 to now collaborates with the 'ERC as an expert appointed for the ethical review of scientific projects.

From 2004 to 2010 represents Italian Biologist in the work table for the revision of the law on the protection of animals used for experimental purposes .

January 2017

Patrizia Costa



Annex 1 .

Lectures and LAS courses organization

Roma Marzo 2016. University of Rome La Sapienza - Short course PhD students -National Legislation , EU directive 63/2010 and international guidelines on the protection of animal used for experimental purposes .(Mod.1 Endorsed EU document EWG)

Messina 27 Gennaio 2016 . Università degli studi di Messina : in: Aspetti legislativi ed etici nella sperimentazione animale: attualità e prospettive . P. Costa - 3R's : Qualità della scienza e benessere animale .

Zagreb 20 November 2014 . EU. TAIEX .workshop . . P.Costa : The 3rs in the EU regulatory Framework -

Zagreb 21 November 2014. EU Taiex workshop P.Costa The fundamentals of the animal care and use program .

Gargnano . 30 June 2014 1-2 July . Evento organizzato da Università degli Studi di Milano, IZSLER Organizzazione scientifica, moderatore e relatore . Cosa cambia con il DL 26/2014 ? Modulo legislativo : formazione e organismo preposto al benessere degli animali .

Gargnano June 2013 . Evento organizzato da Università degli Studi di Milano, IZSLER .Organizzazione scientifica .Il dolore : Controllo e valutazione - . Modelli animali : Zebra fish

Gargnano 15 May 2012 Evento organizzato da Università degli Studi di Milano, IZSLER Organizzazione scientifica, moderatore e relatore . Aspetti pratici nell'applicazione della nuova normativa: metodi alternativi e 3rs , ruolo dei comitati etici e sofferenza animale . Refinement : linee guida consolidate nella riduzione del dolore .

Brussels . EU Commission . 29-30 november 2012. In : Meeting on Information on alternative methods and 3Rs strategies ..P.Costa : 3Rs dissemination and informations.- The person responsible for the competence of the staff . AAALAC international perspective.

Brescia . Università' degli studi . 16.12.2010 .P.Costa La direttiva 2010/63/UE Analisi comparativa . Punti di forza e possibilità interpretative .

Roma, Università' degli studi La Sapienza , 19 October 2011-. Giornata di studio IPAM . Organizzazione scientifica dell'evento. P.Costa : 2010/63/UE : Obiettivi ed opportunità'.

Gargnano October 2011 . Impatto della nuova direttiva europea 2010/63/UE . Evento organizzato da Università degli Studi di Milano, IZSLER . Organizzazione scientifica , moderatore e relatore per :: La cultura delle 3Rs, la formazione ed il network

Berlin 31 January - 2 February 2011. CAAT Europe- ECOPA . Implementation of the new directive 2010/63/EU : opportunities for 3Rs . Invited advisor for the Italian alternative platform . Workshop for a consensus paper elaboration .

Brescia , Università' degli studi , 16 December 2010: Evento organizzato da IPAM e CELLTOX . Relatore per : La nuova Direttiva comunitaria: 63/2010 /UE : I punti di forza .

Gargnano , May 2010 , Qualità e benessere animale nel XXI secolo . Evento organizzato da Università degli Studi di Milano, IZSLER , AAALAC int . Organizzazione scientifica , moderatore e relatore per : Programmi di animal care and use : criteri di valutazione

Rome 22 January 2010: Fondazione Parco Biomedico San Raffaele - IPAM. Organizzazione e Direttore scientifico del corso (8h) : Valutazione Etica dei progetti in vivo ed applicazione del principio delle 3Rs. (4h teoria e 4h simulazioni)

Gargnano June 2009 : Il Malessere Animale .Evento organizzato da : Università degli studi di Milano La Statale , IZSLER Fondazione Parco Biomedico San Raffaele; Fondazione Iniziative zooprofilattiche e tecniche di Brescia- Organizzazione scientifica, moderatore e relatore per : Valutazione del dolore

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Rome, Camera dei Deputati 13 February 2009 . Presentazione della nuova proposta di revisione della Direttiva comunitaria 86/609 CE . Organizzazione Scientifica . e tavola rotonda

IZSLER 9 February 2009 . Seminario : Etologia animale , Benessere animale , Dolore e sofferenza.

Gargnano 9-10 June 2008 , Qualità della Scienza e Benessere animale .Evento organizzato da Università di Milano La Statale: IZSLER ;; Fondazione Iniziative zooprofilattiche e tecniche di Brescia, Fondazione Parco Biomedico San Raffaele , organizzazione scientifica

Rome 25 January 2008 . IZS Lazio e Toscana Evento organizzato da IZS LT e IPAM : . Benessere degli animali da laboratorio : cosa cambierà negli stabulari Italiani in applicazione alle norme europee . Responsabile dell' Organizzazione scientifica e relatore

Università Ferdinando II Napoli April , 2007. Corso di perfezionamento .in Scienza degli animali da laboratorio .Seminario : Il benessere degli animali da laboratorio . Applicazione del principio di refinement in colonie transgeniche e valutazione del benessere nel processo di fenotipizzazione .

Milano Università La Statale . March 2007 . Il benessere negli animali utilizzati a fini sperimentali : valutazione del rischio come strategia di refinement .

International meeting FELASA 2007 - Villa Erba - Cenobio Como - AAALAC Session - Comparison of European systems of animal care and use review: Common evaluation criteria from diversity in the European context..Organizzazione scientifica della sessione

Gargnano 2007 - La Sicurezza negli Stabulari . Evento organizzato da Università' di Milano La Statale ISPESL . Responsabile

dell'organizzazione scientifica .

Milano Università' La Statale 2 February 2006 . Le 3R's incontrano la scienza - "Supporti multimediali ed audiovisivi nella formazione in scienza degli animali da laboratorio"

Roma - . Camera dei Deputati- 23 January . 2006 - IPAM - Organizzazione scientifica , moderatore e relatore per : "Le 3R's e la formazione in scienza degli animali da laboratorio".

Gargnano 6-7 June 2005 : " La sperimentazione animale e la PDL 5442 " Evento organizzato da Università' di Milano e IZSLER Brescia . Organizzazione scientifica Moderatore e relatore

Roma 4 February 2005 . Camera dei deputati . Presentazione della Proposta di legge n°5442 Relatore per : Animali geneticamente modificati .

Gargnano 3-4 May 2004, Problematiche regolatorie e suggerimenti pratici . Organizzazione scientifica , moderatore e relatore

Università di Milano April 2004. "Animali transgenici " lezione nel corso di specializzazione in "Scienza e medicina degli animali da laboratorio .

Milano Università La Statale 5 May 2003 . Simposio "Ricerca scientifica senza animali : e' possibile ?"

Ischia (Na) 13 June 2003. In V congresso Nazionale SOFIVET (Societa' Italiana di Fisiologia Veterinaria) "Il benessere degli animali da laboratorio: imperativo scientifico ed etico .Valutazione del benessere nel processo di fenotipizzazione dei mutanti murini"

Gargnano , 5 September 2002 . Evento organizzato da Università degli studi di Milano : " Movimentazione degli animali geneticamente modificati (OGM). "

Brescia 23.April 2002 IZSLER : " Valutazione del rischio , sicurezza, igiene pubblica ed animali geneticamente modificati" Lezione

Milano 3.March 2002 . Università' degli studi . "La Statale . ".D.L. 116 /92 e gli animali geneticamente modificati " . Lezione

IRBM Pomezia . 10 -17 May 2001

" Investigators intramural Training Course in L.A.S." 2nd Ed. (30 h)

Università degli studi di Padova . 2 -3 April 2001

"Animali geneticamente modificati e scienza degli animali da laboratorio " Lezione

Gargnano del Garda -28 June 2000. Evento organizzato da Università' degli studi di Milano /IRBM/ CBA Organizzazione scientifica , moderatore e relatore per : "Problematiche gestionali della transgenesi animale "

Napoli, 16 June 2000. Istituto Italiano per gli Studi Filosofici - In : ECBA international symposium "Biology and Bioethics: Concern for Scientists, Politicians and Consumers" - Lecture : Animal transgenesis. The global welfare approach.

Dublino 9-11 March 2000 . ESLAV . Invited speaker Oral presentation : Neuro Behavioral tests for the evaluation of transgenic animals.

Roma. CNR. 20 October 1999

Simposio AISAL : presentazione del documento AISAL " Le figure professionali coinvolte nella sperimentazione animale e loro iter formativo"

Gargnano. 4 June 1999 Univ. degli studi di Milano -ISPESL

" Presentazione delle linee guida ISPESL ' Valutazione del Rischio nel Settore della Sperimentazione Animale"

Milano 29. January 1999. Univ. degli Studi di Milano. Facolta' di Medicina Veterinaria. Scuola di Specializzazione in Scienza e Medicina degli Animali da Laboratorio ". Seminario: " Animali transgenici come modelli di patologia "

23 January 1998 . Università' degli Studi di Milano La Statale - Facolta' di medicina veterinaria

Seminario "Benessere animale : possibilita' applicative "

Roma, 4 February 1998 European Communities Training Course on Microsurgery

Institute of Biomedical Technologies . Lecture : " Rats in Experimental Microsurgery: legislation, pain control, anaesthesia evaluation criteria "

Gargnano del Garda - 25 May 1998 . Evento organizzato da Università' degli studi di Milano e AISAL . Proposta regolatoria per la transgenesi animale "

Napoli 16 June 1998 Istituto Tumori Napoli . V meeting of the "Transgenic Mice and Gene Targeting" Italian groups "La transgenesi animale come problematica emergente ".

Roma 3-4 December 1998. WHO temporary adviser for WHO workshop on "Global Ecological Integrity: Implications of "sustainable development" for human health.

Nottingham, 7-11 April 1997 ECVAM / FRAME Workshop on "The use of Transgenic Animals in Europe"

Transgenic Animal Models of Human Disease: welfare aspects"

Roma, 12 May 1997 . Institute of Biomedical Technologies - European Training Course on Basic and Advanced Microsurgery

Lecture : " Rats in Experimental Microsurgery: legislation, animal care and ethical aspects"

Gargnano - 13 June 1997. Evento organizzato da Università' degli studi di Milano

Relatore: per : Valutazione del benessere in animali geneticamente modificati

Basel , 19-21 June 1996. 6th FELASA Symposium on "International Harmonization of Laboratory Animal Husbandry Requirements" :
Oral presentation : "Neuro-behavioral Tests in Welfare Assessment of Transgenic Animals"

Basel , 19-21 June 1996 . 6th FELASA Symposium on "International Harmonization of Laboratory Animal Husbandry Requirements" .
Poster . Transgenic Animals Management: new minimal standards"

Istituto Tumori – Napoli , 10 October 1996

Gli stabulari nei centri di ricerca privati : Scelte tecniche e gestionali. Simposio " AISAL su : La sperimentazione animale ,
problematiche scientifiche ed organizzative .

20 -31 March 1995 . Eurogroup of Welfare / FELASA / AISAL
Organizzazione scientifica del corso per Cat. C

Milano 29 March 1995 " : European Course on Laboratory Animal Science (Cat. C) Lezione : Transgenic Animals: care and use in
pharmacological research "

Pomezia, 30 June 1995. IRBM P. Angeletti Merck research laboratories . Guidelines for Transgenic Animals: animal care, management
and regulatory aspects" 2nd meeting of the "Transgenic Mice and Gene Targeting" Italian group

Genova , 6 October 1995. CBA .

Simposio AISAL: "Evoluzione della sperimentazione animale " Relazione : Transgenic Animals: animal care and management"

30 October 1995 Utrecht (NL) - EC - Workshop " Welfare Aspects of Transgenic Animals

Lecture : "Transgenic Animals: practical problems and welfare aspects"

Milano , 27 May 1994 Facolta' di Medicina Veterinaria, Scuola di specializzazione in Scienza medicina degli animali da laboratorio –
Seminario "Topi transgenici : tecnologia e management"

Rome, 5 December 1994, Universita' Cattolica del Sacro Cuore

Seminario : " L'importanza di una corretta animal care : il ruolo dei tecnici "

Milano , 23 March 1993 Facolta' di Medicina Veterinaria, Scuola di specializzazione in Scienza medicina degli animali da laboratorio -
Seminario "L'igiene negli stabulari "

" Rodents" in " The Accommodation of Laboratory Animals in Accordance with Animal Welfare Requirements.

International Workshop (DG XI EEC) Bundesgesundheitsamt - Berlin, 17-19 May 1993 (the green book)

" Non Human Primates" in " The Accommodation of Laboratory Animals in Accordance with Animal Welfare Requirements.

International Workshop (DG XI EEC) Bundesgesundheitsamt - Berlin, 17-19 May 1993 (the green book)

Brussels, October 1993 "Commission of the European Communities DGX II E EUPREN - Contribution to the meeting on: Co-operation
between Primate Centers at the EC Level"

University of Salamanca, Spain 4-6 May 1992 ICLAS International Meeting invited speaker : "New Italian Regulation on Animal
Experimentation "

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Annex 2 (publications)

Brain P.F., D Buttner, **P. Costa**, J. A. Gregory, W. O. P. Heine, J. Koolhaas, K. Miltzer, F. O. Odbrg, W. Scharmann and M. Stauffacher: "Rodents" in "The Accommodation of Laboratory Animals in Accordance with Animal Welfare Requirements" Proceedings of an International Workshop (DG XI EEC) held at the Bundesgesundheitsamt, Berlin 17-19 May 1993 - Edited by P N O' Donoghue 1994

T B Poole, **P Costa**, W. J. Netto, K. Schwarz, B. Wechsler and D. Whittaker: "Non Human Primates" in "The Accommodation of Laboratory Animals in Accordance with Animal Welfare Requirements". Proceedings of an International Workshop (DG XI EEC) held at the Bundesgesundheitsamt, Berlin 17-19 May 1993 - Edited by P N O' Donoghue 1994

Fattori E., Della Rocca C., **Costa P.**, Giorgio M., Dente B., Pozzi L., and Ciliberto G. "Development of Progressive Kidney Damage and Myeloma Kidney in Interleukin-6 Transgenic Mice" Blood, Vol 83, 9 (May 1) 1994

Fattori E., Cappelletti M., **Costa P.**, Sellitto C., Cantoni L., Carelli M., Faggioni R., Fantuzzi G., Ghezzi P., and Poli V. "Defective Inflammatory Response in Interleukin-6 Deficient Mice" J. Exp. Med. Vol. 180 Oct. 1994, pp 1243-1250

P Costa. "Animali Transgenici: Animal Care e Management" in proceedings of the 2nd AISAL Symposium on "Evolution of Animal Experimentation: from laboratory animals to experimental models", pp 102-106 (1996) Genoa - Advanced Biotechnology Centre - 5-6 October 1995. Ed.: Costa P., L.De Francesco, L.Melloni, and M.Sanguineti.)

Costa P. "Production of Transgenic Animals: Practical Problems and Welfare Aspects" In "Welfare Aspects of Transgenic Animals". Proceedings of an EC Workshop 30 October 1995. pp 68-77. Springer L.F.M. van Zutphen , M.van der Meer (Eds)(1997).

Costa P. "Neurobehavioural Tests in Welfare Assessment of Transgenic Animals" In " Harmonization of Laboratory Animal Husbandry"pp 51-53. (1997) Proceedings of 6th FELASA Symposium Basel, 19-21 June 1996 RSM Press.

F.De Benedetti, T.Alonzi, A.Moretta, D.Lazzaro, **P.Costa**, V.Poli, A.Marini, G.Ciliberto and E.Fattori. "Interleukin-6 Causes Growth Impairment in Transgenic Mice through a Decrease in Insulin-like Growth Factor-1". J. Clinical Investigation 1997. 99 (4). pp 1-8.

I. Gloguen, **P.Costa**, A.Demartis, D.Lazzaro, A. Di Marco, R.Graziani, G. Paonessa, F.Chen, C.I.Rosenblum, L.H.T.Van der Ploeg, R. Cortese, G. Ciliberto and R. Laufer. "Ciliary Neurotrophic Factor Corrects Obesity and Diabetes Associated with Leptin Deficiency and Resistance" Proc. Natl.Acad.Sci. USA. Vol. 94, pp 6456-6461, June 1997.

L.Ciapponi, D.Maione, A. Scoumanne, **P. Costa**, M.B.Hansen, M.Svenson, K.Bendzen, T. Alonzi, G. Paonessa, R.Cortese, G.Ciliberto and R. Savino. "Induction of Interleukin-6 (IL-6) Autoantibodies through Vaccination with an Engineered IL-6 Receptor Antagonist". Nature Biotechnology. Vol. 15 pp 1-8 October 1997

P.Costa, O. Barbieri, G.Chiesa, M.Cilli, F.Lucchini, L. Pozzi, M.G.Sacco. Document on "Transgenesis and Clonation" A.I.S.A.L. Raccomandations. BioTec issue 4, pp 56-58, November 1997.

T.Alonzi, E.Fattori, D.Lazzaro, **P.Costa**, L.Probert, G.Kollias, F.De Benedetti, V.Poli and G.Ciliberto. "Interleukin-6 is Required for the Development of Collagen-Induced Arthritis" J.Exp.Med. Vol.187, Number 4, pp 1-8, February. 1998.

T.B.Mephram, R.D.Combes, M. Balls, O. Barbieri, H.J.Blokhuys, **P. Costa**, R.E.Crilly, T. de Cock Buning, V.C. Delpire, M.J. O'Hare, L.M. Hudebine, C.F. van Kreijl, M. van der Meer, C.A. Reinhardt, E.Wolf and A.M. van Zeller. "The Use of Transgenic Animals in the European Union" ECVAM Workshop Report 28 Nottingham, 7-11 April 1997 ATLA 26, 21-43 (1998)

G.Rizzuto, M. Cappelletti, D.Maione, R.Savino, D.Lazzaro, **P.Costa**, I. Mathienses, R.Cortese, G.Ciliberto, R.Laufer, N. La Monica, E. Fattori. " Efficient and regulated Erythropoietin production by naked DNA injection and muscle electroporation. Proc Natl. Acad. Sci (USA) vol 96, 6417-6422, May 1999

P.Costa et al. Linee Guida per la Valutazione del Rischio nel Settore Della Sperimentazione Animale (D.L.gs 626/94 e successive modifiche Ed integrazioni) Istituto Superiore per la Prevenzione e la Sicurezza sul Lavoro (ISPESL). Giugno 1999

M. van der Meer, **P.Costa**, V. Baumans, O. Berend and B. van Zutphen. Welfare assessment of transgenic animals. Behavioural response and morphological development of newborn mice. ATLA. Vol.27 pg 857-868. , 1999

P. Costa
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