

## CURRICULUM VITAE

Feb 28<sup>th</sup> 2016

First name: Andrés

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Born in Pamplona (Navarra, Spain) in May 10, 1972. Resident at 11 Jardins Occitans, Ramonville St Agne (Haute Garonne, France), 31520.

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Google scholar: <http://scholar.google.com/citations?user=oMML1K4AAAAJ>

Researcher id Web of Science: <http://www.researcherid.com/rid/G-9451-2012>

Scientific blog: <http://artadia.blogspot.fr>

### EDUCATION

#### 1. Degree oriented

1997. Graduate as Engineer in Agriculture (Ingeniero Agrónomo) at the Universidad Pública de Navarra, Pamplona, Spain.

2002. Ph.D. at Universidad Publica de Navarra, Pamplona, Spain, 2002. Thesis: “Optimization of the breeding program of the Latxa breed: Analysis of the model of genetic evaluation and introduction of new traits in the breeding objective”. Supervisor: Dr. Eva Ugarte, NEIKER, Vitoria, Spain.

2012. HDR, Institut National Polytechnique de Toulouse, France. Title: “De la Latxa à la Manech : au travers les méthodes et applications en amélioration et évaluation génétique”.

#### 2. Non-degree courses

*Main courses on animal breeding:*

1998. Breeding and genetics. International Centre For Advanced Mediterranean Agronomic Studies, Mediterranean Agronomic Institute. Part of a course “Advanced course on animal production”. Zaragoza, Spain. January 12 to April 3.

1999. Advanced scientific computing with Fortran 90. Application to Animal Breeding and Beyond. Dr. I. Misztal. Gembloux (Belgium) December 13 - 17.

2001. Markov Chain Monte Carlo methods in Genetics. Dr. D.A. Sorensen, Liege (Belgium), April 2 - 10.

2005. Molecular techniques in animal breeding, International Centre For Advanced Mediterranean Agronomic Studies, Mediterranean Agronomic. León (Spain), April 4-8.

2008. Towards a new paradigm in quantitative genetics. Genomic selection toolkit: semi-parametric and machine learning approaches with applications. Dr. D. Gianola. . Toulouse, France. May 21-23.

2008. International postgraduate course and workshop: Whole Genome Association and Genomic Selection. Dr. B. Hayes. Salzburg, Austria. September 1-8.

2012. From production to data analysis of "Next Generation Sequencing". INRA course “Ecole chercheur”. Ecully, France, January 16 – 20.

*Short courses and seminars in animal breeding:*

1998. Gibbs Sampling in Quantitative Genetics. Dr. D.A. Sorensen, Universidad Politécnica de Valencia (Spain). September 2 – 4.

1998. Practical aspects of livestock improvement programmes. Maurice Bichard (PIC). Universidad Politécnica de Valencia (Spain). September 14 – 16.

1999. Reversible Jump in Markov Chain Monte Carlo. D.A. Sorensen. Universidad Politécnica de Valencia (Spain). April 6 - 7.

1999. Bayesian methods of hypothesis testing. D. Gianola. Universidad Politécnica de Valencia (Spain). April 15 – 16.

2003. An introduction to functional genomics. R. Rekaya, University of Georgia, Athens, GA (USA). March.

2004. An introductory overview of model comparison and related topics. D.A. Sorensen, Universidad Politécnica de Valencia (Spain). November 15-19.

#### *Other courses:*

1994, 1995, 2000. Short courses for professionals held at the Universidad Pública de Navarra, Pamplona, Spain: “Dairy cattle production”, “Pig production”, “Housing for livestock”.

1998. Statistics applied to agriculture. E. Romagosa. NEIKER, Derio, Spain, May, 21- 30.

2000. Linux Operative System. Asociación de la Industria Navarra, Pamplona, Spain, October.

2007. C++ computer language. E. Courcelle. CNRS, Toulouse, France. October.

## **PROFESSIONAL EXPERIENCE**

### **Positions**

April 2002 – July 2003: Postdoctoral researcher: University of Georgia (Athens, GA, US) under the supervision of J.K. Bertrand and I.Misztal.

August 2003 – October 2005: Research scientist: NEIKER (Basque Institute for Agricultural Research, Vitoria, Spain)

November 2005 – 2014 : Research Scientist : INRA (Institut National de la Recherche Agronomique, Toulouse, France) :

November 2005 – 2014 : Research Director : INRA (Institut National de la Recherche Agronomique, Toulouse, France) :

## **ASSISTANCE TO MEETINGS**

IX Reunión nacional de mejora genética animal. Vitoria, Spain, June 25-26 1998.

XXIII Jornadas científicas de la Sociedad Española de Ovinotecnia y Caprinotecnia. Vitoria, Spain, October 1-3 1998.

VIII Jornadas de Producción Animal. Zaragoza, Spain, May 11-13, 1999.

Seminar on Production systems and product quality, FAO-CIHEAM Network on sheep and goats. Murcia, Spain, 23-25 September 1999.

X Reunión nacional de mejora genética animal. Caldas de Montbui, Barcelona, Spain, June 8-9, 2000.

IX Jornadas de Producción Animal. Zaragoza, Spain, April 25-27, 2001.

VIII Conferencia española de Biometría. Pamplona, Spain, March 29-30, 2001.

7th World Congress on Genetics Applied to Livestock, Montpellier, France, 19-23 august 2002.

American Dairy Science Association and American Animal Science Association joint meeting, Phoenix, EEUU, 23-26 June 2003.

International Workshop on Major Genes and QTL in Sheep and Goats. Toulouse, France, 8 – 11 December 2003 .

XII Reunión nacional de mejora genética animal. Arucas, Las Palmas, Espagne, 7-9 Juillet 2004.

55th annual meeting of the European Association for Animal Production. Bled, Slovenia. 5-9 septembre 2004.

Meeting of the SR TSE network on transmissible spongiform encephalopathies of small ruminants. Biarritz, France, 6-7 mai 2005

XI Jornadas sobre Producción Animal. Zaragoza, Espagne, Mai 11-12, 2005.

First European Conference on Pig Genomics, Lodi-Italy, 20-21 Febrier 2006.

10th QTL-MAS Workshop. 20 - 21 Mars 2006, Salzburg Austria

8<sup>th</sup> World Congress on Genetics Applied to Livestock Production (WCGALP), August 13-18 2006, Belo Horizonte, Brasil.

11th QTLMAS Workshop. 22-23 March 2007. Toulouse, France. (Organiser)

2<sup>nd</sup> Paris Workshop on Molecular and Statistical Genomic Epidemiology. 13-16 May 2007. Paris, France.

58th annual meeting of the European Association for Animal Production. Dublin, Ireland. 26-29 August 2007.

12<sup>th</sup> QTLMAS Workshop, 15-16 May 2008, Uppsala, Sweden.

13<sup>th</sup> QTLMAS Workshop, 20-21 April 2009, Wageningen, the Netherlands.

60th annual meeting of the European Association for Animal Production. Barcelona, Spain. 24-27 August 2009.

XVIII Seminario de Genética de Poblaciones y Evolución. Guitiriz, Spain, 5-7 May 2010.

XIV Reunión nacional de mejora genética animal. Vigo, Espagne, 16-18 June 2010.

9<sup>th</sup> World Congress on Genetics Applied to Livestock Production (WCGALP), August 1-6 2010, Leipzig, Germany.

62nd annual meeting of the European Association for Animal Production. Stavanger, Norway, 29 August-2 september 2011.

Fourth International Conference on Quantitative Genetics: Understanding variation in complex traits. Edinburgh 17-22 June 2012

XV Jornadas sobre Producción Animal. Zaragoza, Espagne, Mai 14-15, 2013.

Interbull meeting. Nantes, France, August 23-25 2013

64th annual meeting of the European Association for Animal Production. Nantes, France 26 -30 August 2013.

XVII Reunión nacional de mejora genética animal. Cerdanyola, Espagne, 5-6 June 2014.

International Biometric Conference, Florence, Italy, July 6-11 2014.

Workshop: Statistical and computational methods for relatedness and relationship inference from genetic marker data. Sep 22, 2014 - Sep 26, 2014, ICMS, Edinburgh.

World Congress on Genetics Applied to Livestock Production, Vancouver, Canada, August 21 2014.

XVI Jornadas sobre Producción Animal. Zaragoza, Spain, May 19-20, 2015.

European Association of Animal Production, Warsaw, 30/8 – 5/9 2015

INVITED: AAABG 2017

**LANGUAGES**

Spanish as native language. English and French: fluent. Italian: usable reading and speaking.

**COMPUTATIONAL SKILLS**

Operative systems VAX/VMS, Unix, Linux, Windows, Mac. Programming in Fortran, awk, shell scripting, R, SAS, Scilab. Use of common software in the field (blupf90, DFREML, VCE, Haploview, etc.). I am used to work with big data files.