



## **Wendy Mercedes Rauw**

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## Summary of CV

This section describes briefly a summary of your career in science, academic and research; the main scientific and technological achievements and goals in your line of research in the medium -and long- term. It also includes other important aspects or peculiarities.

MSc Wageningen Univ & Research y PhD Agric Univ of Norway. Fue investigadora en el IRTA (4 años), Assistant Professor en la Univ of Nevada Reno EEUU (5.5 years), y Ramón y Cajál en el INIA (5 años); Soy Científico Titular en el INIA-CSIC. Según la Stanford author database of standardized citation indicators, estoy en el top 2% de científicos en mi área de investigación (<https://elsevier.digitalcommonsdata.com/datasets/btchxktyw/5>). h-index 21, i10-index 40 (Scholar)

### 1. Aportaciones científico-técnicas.

Mi área es la eficiencia alimentaria, resiliencia, genética, bienestar, y producción animal sostenible. Mis papers “Undesirable side effects of selection for high production efficiency in farm animals: a review” (Rauw et al. Livest Prod Sci 56, 15-33, 1998) ha sido referido más de 1260 veces, “Immune response from a resource allocation perspective” (Rauw Front Genet 3:267, 2012) mas de 285 veces, y “Genotype by environment interaction and breeding for robustness in livestock” (Rauw y Gomez-Raya Front Genet 6:310, 2015) más de 110 veces. Mi trabajo provocó un debate en el Parlamento de Flandes, Bélgica en 2015 (<https://www.vlaamsparlement.be/nl/parlementair-werk/commissies/commissievergaderingen/986023/verslag/987670>).

- **Número de sexenios:** 4 sexenios (1997-2002; 2003-2008; 2009-2014; 2015-2020).
- **Artículos en revistas peer-reviewed con impacto internacional:** 64 artículos científicos (11 artículos review/concepto) y 1 editorial: 35 primer, 7 ultimo, y 12 segundo autor.
- **Capítulos en libros en editoriales:** 6 capítulos de libro (4 primer y 2 ultimo autor), por CABI Publishing, Wiley Blackwell, y CRC Press (todos SPI).
- **Monografías:** Editor de libro CABI Publishing 2008 ISBN 9781845933944 y Frontiers Media S.A. 2016 ISBN 9782889198832 (todos SPI).
- **Ponencias y comunicaciones foros académicos internacional:** 106 ponencias (54 primer, 19 ultimo, 7 segundo autor; la mayoría orales). Fue Invitada/Keynote en 20 ponencias, en Argentina, Noruega, España, Estados Unidos, Corea del Sur, Alemania, Holanda, Francia y Australia.
- **Actividades transferencia:** 10 popular scientific articles y 3 technical reports. He trabajado/trabajo con Copaga, Copese, Sánchez Romero, San Jamón, GANECA, Fundación Global Nature, y Selección Batallé SA.
- **Otros méritos:** Special 1999 scholarship for young scientists 50th EAAP. Fue Deputy Section Editor para Physiology and Functional Biology of Systems de la revista Animal (2011-2017); Miembro del Scientific Advisory board for Foods of Norway, Center for Research-Based Innovation, NMBU, Norway (2016-2017). Soy miembro del Comité Científico de Asociación Interprofesional del Cerdo Ibérico (2022-).

### 2. Liderazgo e independencia.

- **Participación en proyectos:** He participado/participo en 30 proyectos de investigación competitivos. Fue IP de 3 en Noruega (The Research Council of Norway, NFR), 2 en EEUU (USDA y Nevada Agricultural Experiment Station), y 5 en España (EU Marie Curie



Reintegration grant, EU ERANET SusAn, Ramon y Cajal, and the Spanish Ministry). Fue coordinadora del EU ERANET SusAn SusPig y lider del WP2 INIA en EU 7th Framework Program Fishboost.

- **Formación investigador:** Fue supervisor de MSc JP Bigelow, MSc M Goher, MSc M Robinson, MSc C Konken y Proyecto fin de grado S Arnet - Univ of Nevada, Reno EEUU; Opponent PhD AT Kavlak - Univ of Helsinki Finlandia; Committee member PhD J Scherpenhuizen - Charles Sturt Univ City Australia; Committee member de MSc JC Munro - Dalhousie Univ City Canada; Presidenta Committee member PhD C Savietto - Univ Politècnica de València; Committee member PhD F Douhard - L'Institute des Sciences et Industries du Vivant et de l'Environnement Francia; y Committee member MSc W Chen y N Li - Univ of Nevada, Reno EEUU.

### 3. Movilidad e Internacionalización.

- **Estancias:** He estado durante mi MSc (Países Bajos) 3 meses en el Scottish Agric College, Genet Behav Dept en Edinburgo Reino Unido y 9 meses en NMBU Noruega; durante mi PhD (Noruega) he estado 3 meses en el Inst of Land and Food Resources Australia, y 2 meses en INIA; durante mi trabajo en el INIA (España) he estado 7 días en el Roslin Inst Reino Unido, y 10 meses en Iowa State Univ EEUU.

- **Participación proyectos/colaboracion internacional:** He participado en proyectos internacionales y he publicado con grupos científicos de todo el mundo, incluyendo grupos de los Países Bajos, Noruega, Suecia, UK, Finlandia, Italia, Latvia, Dinamarca, Bélgica, EEUU, Australia, Francia, Guadalupe, y Sudáfrica. En la actualidad trabajo con grupos de EEUU (Iowa State University) y Noruega (NMBU). Destacados son los proyectos EU ERANET SusAn SusPig, y EU Fishboost.

- **Participación reuniones internacionales:** Fue Chairman of the World Congr Genet Appl Livest Prod, Países Bajos; Experta invitada en el Expert Panel Discussion, Global Forum for Food and Agriculture, Alemania; y participante invitada en el Livestock Ecology Lab 2014 Workshop, Francia.



## General quality indicators of scientific research

This section describes briefly the main quality indicators of scientific production (periods of research activity, experience in supervising doctoral theses, total citations, articles in journals of the first quartile, H index...). It also includes other important aspects or peculiarities.

Tengo un MSc de Wageningen University & Research y un PhD de la Agricultural University of Norway. He sido colaborador investigación y adjunto investigación en el IRTA en Lleida, España (4 años), Assistant Professor en la University of Nevada, Reno, Department of Animal Biotechnology en EEUU (5.5 years), y Ramón y Cajál en el INIA en Madrid, España (casi 5 años); Actualmente soy Científico Titular en el INIA-CSIC en Madrid y Alcalá de Henares, España.

Según la Stanford author database of standardized citation indicators, estoy entre el top 2% de científicos en mi área de investigación (<https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/5>, primer Excel).

h-index: 21, i10-index: 40 (Google Scholar metrics)

Cuatro sexenios (1997-2002; 2003-2008; 2009-2014; 2015-2020).



## Wendy Mercedes Rauw

Surname(s): **Rauw**  
Name: **Wendy Mercedes**  
ORCID: **0000-0002-2885-1961**  
Nationality: **Holland**  
Contact aut. region/reg.: **Community of Madrid**  
Personal web page: **[https://www.researchgate.net/profile/Wendy\\_Rauw](https://www.researchgate.net/profile/Wendy_Rauw)**

### Current professional situation

**Employing entity:** Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria

**Department:** Departamento de Mejora Genética Animal, Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria

**Professional category:** Científico Titular

**Start date:** 01/01/2015

**Type of contract:** Civil servant

**Dedication regime:** Full time

**Primary (UNESCO code):** 240108 - Animal genetics; 310406 - Nutrition; 310412 - Selection

**Secondary (UNESCO code):** 240109 - Animal growth; 240801 - Animal; 240999 - Other

**Tertiary (UNESCO code):** 240102 - Animal behaviour; 240108 - Animal genetics; 240113 - Animal physiology; 310408 - Porcina; 310409 - Poultry farming

**Identify key words:** Poultry; Animal welfare; Nutrition; Genetics; Swine; Animal physiology

### Previous positions and activities

	Employing entity	Professional category	Start date
1	INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA ( INIA )	Ramón y Cajal	04/2010
2	University of Nevada, Reno	Assistant Professor	11/2004
3	Centro UdL-IRTA	Research Scientist	09/2000

**1** **Employing entity:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA ( INIA )

**Professional category:** Ramón y Cajal

**Educational Management (Yes/No):** No

**Start-End date:** 04/2010 - 12/2014

**Duration:** 4 years - 8 months

**Type of contract:** Ramón y Cajal

**Dedication regime:** Full time

**2** **Employing entity:** University of Nevada, Reno **Type of entity:** University

**Department:** Department of Animal Biotechnology

**City employing entity:** Reno, United States of America

**Professional category:** Assistant Professor

**Educational Management (Yes/No):** Yes

**Start-End date:** 11/2004 - 04/2010

**Duration:** 5 years - 5 months



**Type of contract:** Temporary employment contract  
**Dedication regime:** Full time  
**Field of management activity:** University

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**Employing entity:** Centro UdL-IRTA

**Department:** Àrea de Producció Animal

**City employing entity:** Lleida, Catalonia, Spain

**Professional category:** Research Scientist

**Start-End date:** 09/2000 - 08/2004

**Type of contract:** Temporary employment contract

**Dedication regime:** Full time

**Type of entity:** R&D Centre

**Educational Management (Yes/No):** No

**Duration:** 4 years



## Education

### University education

#### 1st and 2nd cycle studies and pre-Bologna degrees

**University degree:** Higher degree

**Name of qualification:** Master of Agriculture and natural environment

**Degree awarding entity:** Wageningen Agricultural University

**Date of qualification:** 22/01/1996

### Doctorates

- 1** **Doctorate programme:** Homologación de título de Doctorado  
**Degree awarding entity:** Universitat Politècnica de València **Type of entity:** University  
**Date of degree:** 10/09/2013
- 2** **Doctorate programme:** Doctor Agriculturae  
**Degree awarding entity:** Agricultural University of Norway **Type of entity:** University  
**Date of degree:** 31/01/2001

### Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
Norwegian	B2	C1	B1	B1	B1
Spanish	C1	C2	C1	C1	B2
Dutch	C2	C2	C2	C2	C2
English	C2	C2	C2	C2	C2

## Teaching experience

### Experience supervising doctoral thesis and/or final year projects

- 1** **Project title:** Analysis of quantitative genetic variation affecting fitness traits in the Lahontan cutthroat trout (*Oncorhynchus clarki henshawi*) - MSc  
**Entity:** University of Nevada, Reno - Department of Biology **Type of entity:** University Research Institute  
**Student:** ML Robinson  
**Date of reading:** 01/11/2010



- 2** **Project title:** Determination of 13C and 15N distribution in ecosystem via biosolid application  
**Type of project:** End of course project  
**Entity:** University of Nevada, Reno **Type of entity:** University Research Institute  
**City of entity:** Reno, United States of America  
**Student:** Sonja Arnett  
**Date of reading:** 2010
- 3** **Project title:** Detection of nutrient flow in a managed agroecosystem following treatment with biosolids - MSc  
**Entity:** University of Nevada, Reno **Type of entity:** University Research Institute  
**City of entity:** Reno, United States of America  
**Student:** Charlotte Konken  
**Date of reading:** 2010

## Scientific and technological experience

### Scientific or technological activities

#### R&D projects funded through competitive calls of public or private entities

- 1** **Name of the project:** Conservación in vivo e in vitro de doce poblaciones de razas españolas tradicionales de gallinas / In vivo and in vitro conservation of twelve populations of Spanish autochthonous breeds of laying hens (RGP2021-001)  
**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA ( INIA )  
**Name principal investigator (PI, Co-PI....):** MC Garcia Gil; WM Rauw; L Gomez Raya; O Torres  
**Type of participation:** Team member  
**Start-End date:** 2021 - 2024 **Duration:** 4 years
- 2** **Name of the project:** Caracterización molecular de la eficiencia alimentaria y de los caracteres reproductivos en cerdo Ibérico / Molecular characterization of feed efficiency and reproductive traits in Iberian pigs  
**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA ( INIA )  
**Name principal investigator (PI, Co-PI....):** WM Rauw; LA Garcia Cortes; L Gomez Raya; E Gómez Izquierdo  
**Nº of researchers:** 4  
**Funding entity or bodies:** Ministerio de Economía y Competitividad  
**City funding entity:** Spain  
**Type of participation:** Principal investigator  
**Code according to the funding entity:** AGL2016-75942-R, IBERFIRE  
**Start-End date:** 2016 - 2021  
**Total amount:** 199.650 €
- 3** **Name of the project:** Sustainability of pig production through improved feed efficiency  
**Degree of contribution:** Coordinator of total project, network or consortium  
**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA ( INIA )





**Name principal investigator (PI, Co-PI....):** WM Rauw; L Gomez Raya; E Gomez Izquierdo; L Rydhmer; I Kyriazakis; M Øverland; H Gilbert; JCM Dekkers; S Hermes; A Bouquet

**Funding entity or bodies:**

European Union H2020

**Type of participation:** Co-ordinator

**Name of the programme:** ERANET SusAn (H2020)

**Code according to the funding entity:** SusPig

**Start-End date:** 2017 - 2020

**Duration:** 3 years

**Total amount:** 956.000 €

**Sub-project amount:** 100.000 €

**4 Name of the project:** Boosting the domestication of established farmed finfish species through selective breeding (FISHBOOST, KBBE-KBBE-7-613611)

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA ( INIA )

**City of entity:** Madrid, Spain

**Name principal investigator (PI, Co-PI....):** Anne Risbraathe; Wendy Rauw

**Nº of researchers:** 26

**Funding entity or bodies:**

European Union, 7th Framework Program

**Type of participation:** Team member and WP2 INIA coordinator

**Name of the programme:** European Union, 7th Framework Program

**Code according to the funding entity:** (KBBE-KBBE-7-613611)

**Start-End date:** 2014 - 2019

**Duration:** 5 years

**Total amount:** 7.955.912 €

**Sub-project amount:** 388.998 €

**5 Name of the project:** Group competition, feed efficiency and welfare in traditional and genomic selection programs in aquaculture / Competición de grupo, eficiencia alimentaria y bienestar animal en programas de selección tradicional y genómica en acuicultura

**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA ( INIA )

**Name principal investigator (PI, Co-PI....):** Wendy Rauw; Luis Gomez Raya; Jesus Fernandez; Luis Alberto Garcia Cortes; Miguel Angel Toro; M Villarroel

**Nº of researchers:** 6

**Funding entity or bodies:**

Ministerio

**Type of entity:** State agency

**Type of participation:** Principal investigator

**Code according to the funding entity:** AGL2012-39137

**Start-End date:** 2013 - 2016

**Duration:** 3 years

**Total amount:** 28.080 €

**6 Name of the project:** Teoría de recursos nutricionales en animales de granja

**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA ( INIA )

**Name principal investigator (PI, Co-PI....):** WM Rauw

**Nº of researchers:** 1

**Funding entity or bodies:**

Ministerio

**Type of participation:** Principal investigator

**Name of the programme:** Ramon y Cajal



**Code according to the funding entity:** RYC-2009-05396

**Start-End date:** 2010 - 2015

**Duration:** 5 years

**Applicant's contribution:** Tambien he obtenido la certificacion I3.

**7 Name of the project:** The potential of behavioral play markers to improve welfare in farm animals through selection (277031).

**Entity where project took place:** INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA ( INIA )

**Name principal investigator (PI, Co-PI....):** WM Rauw

**Nº of researchers:** 1

**Funding entity or bodies:**

European Union, REA, Marie Curie International Reintegration Grant

**Type of participation:** Principal investigator

**Name of the programme:** Marie Curie International Reintegration Grant

**Code according to the funding entity:** 277031

**Start-End date:** 2011 - 2014

**Duration:** 3 years

**Total amount:** 75.000 €

**8 Name of the project:** W1010 Integrated approach to enhance efficiency of feed utilization in beef production systems

**Entity where project took place:** University of Nevada, Reno

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** G Bohach; WM Rauw

**Nº of researchers:** 29

**Funding entity or bodies:**

United States Department of Agriculture (USDA)

**Type of entity:** State agency

**City funding entity:** United States of America

**Type of participation:** Team member

**Code according to the funding entity:** W1010

**Start-End date:** 2008 - 2013

**Duration:** 5 years

**9 Name of the project:** DNA paternity testing and genetic improvement of free range beef cattle in Nevada (NEV5339)

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** University of Nevada, Reno

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** L Gomez Raya; WM Rauw; D Thain; B Bruce; B Perryman; T Wuliji; MB Teglas

**Nº of researchers:** 7

**Funding entity or bodies:**

Nevada Agricultural Experiment Station (NAES)

**Type of entity:** University Research Institute

**City funding entity:** United States of America

**Type of participation:** Team member

**Code according to the funding entity:** NEV5339

**Start-End date:** 2007 - 2012

**Duration:** 5 years

**Total amount:** 108.000 €

**10 Name of the project:** Detection of nutrient flow in a managed agroecosystem following treatment with biosolids (2008-00767)

**Type of project:** Basic research (including archaeological digs, etc)



**Entity where project took place:** University of Nevada, Reno

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** WM Rauw; MB Teglas; S Chandra; M Forister

**N° of researchers:** 4

**Funding entity or bodies:**

United States Department of Agriculture (USDA)

**Type of entity:** State agency

**City funding entity:** United States of America

**Type of participation:** Principal investigator

**Name of the programme:** CSREES USDA National Research Initiative (NRI) Competitive Grants Program

**Code according to the funding entity:** 2008-00767

**Start-End date:** 2008 - 2011

**Duration:** 3 years

**Total amount:** 90.000 €

- 11 Name of the project:** Improving economic efficiency of DNA paternity identification programs in free range beef cattle (NEV05340)

**Entity where project took place:** University of Nevada, Reno

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** L Gomez Raya; D Thain; WM Rauw; MB Teglas; B Bruce; T Wuliji; T Stringham; B Perryman

**N° of researchers:** 8

**Funding entity or bodies:**

Nevada Agricultural Experiment Station (NAES)

**Type of entity:** University Research Institute

**City funding entity:** United States of America

**Type of participation:** Team member

**Code according to the funding entity:** NEV05340

**Start-End date:** 2008 - 2011

**Duration:** 3 years

**Total amount:** 162.636 €

- 12 Name of the project:** Coordination of sheep and goat research and education programs for the Western States (NEV05338)

**Entity where project took place:** University of Nevada, Reno

**Name principal investigator (PI, Co-PI....):** T Wuliji; K Piper; L Gomez-Raya; WS Liu; H Glimp; B Perryman; WM Rauw; MB Teglas; D Thain

**N° of researchers:** 9

**Funding entity or bodies:**

CENTRO DE ACUSTICA APLICADA Y EVALUACION NO DESTRUCTIVA

**Type of entity:** Associations and Groups

**Type of participation:** Team member

**Start-End date:** 2009 - 2010

**Total amount:** 41.602 €

- 13 Name of the project:** Improving economic efficiency of DNA paternity identification programs in free range beef cattle (NEV05340)

**Entity where project took place:** University of Nevada, Reno

**Name principal investigator (PI, Co-PI....):** L Gomez-Raya; D Thain; WM Rauw; MB Teglas; B Bruce; T Wuliji; B Perryman

**N° of researchers:** 7

**Funding entity or bodies:**

Nevada Agricultural Experiment Station (NAES)

**Type of entity:** University Research Institute

**City funding entity:** United States of America



**Type of participation:** Team member

**Start-End date:** 2008 - 2010

**Duration:** 3 years

**Total amount:** 162.636 €

- 14 Name of the project:** The relationship between alternative foraging systems and growth, feed efficiency and meat quality in grass fed beef cattle

**Entity where project took place:** University of Nevada, Reno

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** K Piper; D Joos; WM Rauw; L Gomez Raya

**Nº of researchers:** 4

**Funding entity or bodies:**

Nevada Agricultural Experiment Station (NAES)

**Type of entity:** University Research Institute

**City funding entity:** United States of America

**Type of participation:** Team member

**Code according to the funding entity:** NEV00175

**Start-End date:** 2007 - 2010

**Duration:** 3 years

**Total amount:** 212.231 €

- 15 Name of the project:** The relationship between alternative foraging systems and growth, feed efficiency and meat quality in grass fed beef cattle (NEV00175)

**Entity where project took place:** University of Nevada, Reno

**Name principal investigator (PI, Co-PI....):** K Piper; WM Rauw; L Gomez-Raya; D Joos

**Nº of researchers:** 4

**Funding entity or bodies:**

Nevada Agricultural Experiment Station (NAES)

**Type of entity:** University Research Institute

**City funding entity:** United States of America

**Type of participation:** Team member

**Start-End date:** 2007 - 2010

**Duration:** 3 years

**Total amount:** 212.231 €

- 16 Name of the project:** WERA039 - Coordination of sheep and goat research and education programs for the Western States (NEV05338)

**Type of project:** Research and development, including transfer

**Entity where project took place:** University of Nevada, Reno

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** T Wuliji; WM Rauw; K Piper; L Gomez Raya; B Perryman; Teglas, M.B.; Thain, D.

**Nº of researchers:** 7

**Funding entity or bodies:**

Nevada Agricultural Experiment Station

**Type of entity:** University Research Institute

**City funding entity:** United States of America

**Type of participation:** Team member

**Code according to the funding entity:** WERA039

**Start-End date:** 2007 - 2010

**Duration:** 3 years

**Total amount:** 110.000 €

- 17 Name of the project:** Beef cattle breeding in the Western region: Feed efficiency in Angus x Hereford crossbred beef cattle (NEV5353).

**Type of project:** Basic research (including archaeological digs, etc)

**Type of entity:** University Research Institute



**Entity where project took place:** University of Nevada, Reno

**Name principal investigator (PI, Co-PI....):** L Gomez Raya; WM Rauw; K Piper; D Thain

**Nº of researchers:** 4

**Funding entity or bodies:**

Nevada Agricultural Experiment Station (NAES)

**Type of entity:** University Research Institute

**City funding entity:** United States of America

**Type of participation:** Team member

**Code according to the funding entity:** NEV5352

**Start-End date:** 2007 - 2009

**Duration:** 2 years

**Total amount:** 125.000 €

**18 Name of the project:** Genetic architecture of grazing efficiency of sheep on Nevada rangelands (NEV5328)

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** University of Nevada, Reno

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** WM Rauw; HA Glimp; W Jesko; L Gomez Raya

**Nº of researchers:** 4

**Funding entity or bodies:**

Nevada Agricultural Experiment Station (NAES)

**Type of entity:** University Research Institute

**City funding entity:** United States of America

**Type of participation:** Principal investigator

**Code according to the funding entity:** NEV05328

**Start-End date:** 2005 - 2009

**Duration:** 4 years

**Total amount:** 106.455 €

**19 Name of the project:** Molecular characterization of pathogens harbored by *Ornithodoros coriaceus*, the tick vector of epizootic bovine abortion

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** University of Nevada, Reno

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** MB Teglas; L Gomez Raya; M Hall; WM Rauw

**Nº of researchers:** 4

**Funding entity or bodies:**

Nevada Agricultural Foundation

**Type of entity:** Foundation

**City funding entity:** United States of America

**Type of participation:** Team member

**Start-End date:** 2007 - 2008

**Duration:** 1 year

**Total amount:** 2.000 €

**20 Name of the project:** Molecular and phenotypic genetic parameters of performance in the Rafter 7 Merino sheep flock (NEV05324)

**Entity where project took place:** University of Nevada, Reno

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI....):** L Gomez Raya; WM Rauw; CW Beattie; HA Glimp

**Nº of researchers:** 4

**Funding entity or bodies:**

Nevada Agricultural Experiment Station (NAES)

**Type of entity:** University Research Institute

**City funding entity:** United States of America

**Type of participation:** Team member



**Code according to the funding entity:** NEV05325

**Start-End date:** 2004 - 2007

**Duration:** 3 years

**Total amount:** 163.670 €

**21 Name of the project:** Nevada beef cattle: The genetic basis of heterosis for adaptability in the Hereford x Angus Nevada beef cow

**Type of project:** Basic research (including archaeological digs, etc)

**Entity where project took place:** University of Nevada, Reno

**Type of entity:** University Research Institute

**Name principal investigator (PI, Co-PI...):** L Gomez Raya; WM Rauw; CW Beattie; HA Glimp

**Nº of researchers:** 4

**Funding entity or bodies:**

Nevada Agricultural Experiment Station

**Type of entity:** University Research Institute

**City funding entity:** United States of America

**Type of participation:** Team member

**Start-End date:** 2004 - 2007

**Duration:** 3 years

**Total amount:** 147.000 €

**22 Name of the project:** Arquitectura genética de la calidad de la carne porcina

**Entity where project took place:** Centro UdL-IRTA **Type of entity:** R&D Centre

**Name principal investigator (PI, Co-PI...):** L Gomez-Raya; WM Rauw; R Davoli

**Funding entity or bodies:**

MCYT

**Type of entity:** State agency

**City funding entity:** Spain

**Type of participation:** Team member

**Name of the programme:** Programa de Acciones Integradas

**Code according to the funding entity:** HI2002-0056

**Start-End date:** 2003 - 2005

**Duration:** 2 years

**Applicant's contribution:** Realizacion de cooperacion entre el UdL-IRTA en España (coordinador L Gomez Raya) y la Universidad de Bologna en Italia (coordinadora R Davoli).

**23 Name of the project:** La utilizacion de un microarray para identificar QTL con efecto sobre la expresion de EST, niveles de colesterol y composicion de acidos grasos en Porcino (GEN2003- 20658-C05- 05/NAC)

**Entity where project took place:** Centro UdL-IRTA **Type of entity:** R&D Centre

**Name principal investigator (PI, Co-PI...):** L Gomez Raya; WM Rauw

**Start-End date:** 2003 - 2005

**Duration:** 2 years

**24 Name of the project:** Arquitectura genética de los componentes lipídicos de la carne porcina relacionados con la calidad y la salud humana

**Entity where project took place:** Centro UdL-IRTA **Type of entity:** R&D Centre

**Name principal investigator (PI, Co-PI...):** L Gomez Raya; WM Rauw

**Funding entity or bodies:**

MCYT

**Type of entity:** State agency

**City funding entity:** Spain

**Type of participation:** Team member

**Code according to the funding entity:** LIPGEN AGL2002-04271-c03-02

**Start-End date:** 2002 - 2005

**Duration:** 3 years

**Total amount:** 115.000 €

**Applicant's contribution:** partners: UdL-IRTA, University of Barcelona, Faculty of Medicine of Valencia, Spain



- 25** **Name of the project:** Detección de QTLs y genes candidatos que afectan a caracteres reproductivos de interés económico en el porcino  
**Entity where project took place:** Centro UdL-IRTA **Type of entity:** R&D Centre  
**Type of participation:** Team member  
**Code according to the funding entity:** MEIBMAP AGL2000- 1229-C03  
**Start-End date:** 2001 - 2004 **Duration:** 3 years
- 26** **Name of the project:** Selection for high litter size and its consequences for the allocation of feed resources (NFR 23409)  
**Entity where project took place:** Norges Landbrukshøgskole, Institut for husdyrfag **Type of entity:** University Research Institute  
**City of entity:** Aas, Norway  
**Name principal investigator (PI, Co-PI....):** WM Rauw  
**Nº of researchers:** 1  
**Funding entity or bodies:**  
The Research Council of Norway (Norges forskningsråd) **Type of entity:** State agency  
**City funding entity:** Norway  
**Type of participation:** Principal investigator  
**Code according to the funding entity:** NFR 23409  
**Start-End date:** 2000 - 2003 **Duration:** 3 years  
**Total amount:** 161.000 €
- 27** **Name of the project:** Machos finalizadores  
**Entity where project took place:** Centro UdL-IRTA **Type of entity:** R&D Centre  
**Name principal investigator (PI, Co-PI....):** JL Noguera; WM Rauw  
**Funding entity or bodies:**  
Copaga S Coop and UdL-IRTA  
**City funding entity:** Spain  
**Type of participation:** Team member  
**Start-End date:** 2002 - 2002 **Duration:** 1 year
- 28** **Name of the project:** Estudio de la calidad de la carne y de su determinismo genético mediante marcadores moleculares en una población Landrace  
**Entity where project took place:** Centro UdL-IRTA **Type of entity:** R&D Centre  
**Name principal investigator (PI, Co-PI....):** M Gil Farré; WM Rauw  
**Funding entity or bodies:**  
UE (FEDER)/MEC (CICYT) - European Union  
**City funding entity:** Spain  
**Type of participation:** Team member  
**Code according to the funding entity:** FEDER (2FD97-0916-C02-02)  
**Start-End date:** 1999 - 2001 **Duration:** 2 years
- 29** **Name of the project:** Consequences of selection for high litter size for the ability to cope in a stressful environment (NFR 114258/110)  
**Entity where project took place:** Norges Landbrukshøgskole, Institut for Husdyrfag  
**Name principal investigator (PI, Co-PI....):** WM Rauw  
**Nº of researchers:** 1  
**Funding entity or bodies:**



The Research Council of Norway (Norges forskningsråd)

**Type of entity:** State agency

**City funding entity:** Norway

**Type of participation:** Principal investigator

**Code according to the funding entity:** NFR 114258/110

**Start-End date:** 1997 - 2000

**Duration:** 3 years

**Total amount:** 87.000 €

**30 Name of the project:** Utenlandsstipend: Wendy Mercedes Rauw (NFR 20345)

**Entity where project took place:** Norges Landbrukshøgskole, Institut for Husdyrfag

**Name principal investigator (PI, Co-PI....):** WM Rauw

**Nº of researchers:** 1

**Funding entity or bodies:**

The Research Council of Norway (Norges forskningsråd)

**Type of entity:** State agency

**City funding entity:** Norway

**Type of participation:** Principal investigator

**Code according to the funding entity:** NFR 20345

**Start-End date:** 1997 - 1998

**Duration:** 3 months

**Total amount:** 3.600 €

## Scientific and technological activities

### Scientific production

**H index:** 21

**Date of application:** 2023

**Fuente de Índice H:** GOOGLE SCHOLAR

### Publications, scientific and technical documents

**1** CL Nel; JHJ van der Werf; WM Rauw; WP Cloete. Challenges and strategies for genetic selection of sheep better adapted to harsh environments. Submitted. 2023.

**Type of production:** Scientific paper

**Relevant results:** Review Paper

**2** Rauw WM; Gómez Izquierdo E; Torres O; García Gil M; de Miguel Beascochea E; Rey Benayas JM; Gomez-Raya L. Future farming: protein production for livestock feed in the EU. Sustainable Earth Reviews. 6 - Article 3, pp. 1 - 11. 2023.

**DOI:** 10.1186/s42055-023-00052-9

**Type of production:** Scientific paper

**Relevant results:** Review Paper

**3** Gil MG; Gomez-Raya L; Torres O; Cigarroa-Vazquez F; Davila S; Rauw WM. Heterophil/lymphocyte response of local Spanish breeds of laying hens to cold stress, heat stress, and water restriction. Journal of Thermal Biology. 113 - 103542, 2023.

**DOI:** 10.1016/j.jtherbio.2023.103542

**Type of production:** Scientific paper





- 4** Gomez-Raya L; Rauw WM. Failing the four-gamete test enables exactphasing: the Corners' Algorithm. *Genetics Selection Evolution*. 54 - Article 74, pp. 1 - 14. 2022.  
**DOI:** 10.1186/s12711-022-00763-1  
**Type of production:** Scientific paper
- 5** Gomez-Raya L; Gómez Izquierdo E; De Mercado de la Peña E; García Ruíz F; Rauw WM. First-degree relationships and genotyping errors deciphered by a high-density SNP array in a Duroc×Iberian pig cross. *BMC Genomic Data*. 23 - Article 14, pp. 1 - 12. 2022.  
**DOI:** 10.1186/s12863-022-01025-1  
**Type of production:** Scientific paper
- 6** Poulet N; Rauw WM; Renaudeau D; Riquet J; Giorgi M; Billon Y; Gilbert H; Gourdine JL. Plasticity of feeding behaviour traits in response to production environment (temperate vs. tropical) in group-housed growing pigs. *Scientific Reports*. 12 - Article 847, pp. 1 - 12. 2022.  
**DOI:** 10.1038/s41598-021-04752-0  
**Type of production:** Scientific paper
- 7** Rauw WM; Gomez-Raya L; Star L; Øverland M; Delezie E; Grivins M; Hamann KT; Pietropaoli M; Klaassen MT; Klemetsdal G; Gil MG; Torres O; Dvergedal H; Formato G. Sustainable development in circular agriculture: An illustrative bee-legume-poultry example. *Sustainable Development*. 31, pp. 639 - 648. 2022.  
**DOI:** 10.1002/sd.2435  
**Type of production:** Scientific paper  
**Relevant results:** Review Paper
- 8** Rauw WM; Gomez-Raya L; Martín Pedrosa M; Sanz Calvo MA; de Mercado de la Peña E; Ciruelos JJ; Gómez Izquierdo E. Replacing soybean meal with Narbon vetch (*Vicia narbonensis* L.) in pig diets: composition of subcutaneous fat and fresh loin, and sensory attributes of dry-cured product. *Spanish Journal of Agricultural Research*. 19 - Article e0608, pp. 1 - 10. 2021.  
**DOI:** 10.5424/sjar/2021193-17787  
**Type of production:** Scientific paper
- 9** Gourdine JL; Rauw WM; Gilbert H; Poulet N. The genetics of thermoregulation in pigs: a review. *Frontiers in Veterinary Science*. 13 - Article 770480, pp. 1 - 14. 2021.  
**DOI:** 10.3389/fvets.2021.770480  
**Type of production:** Scientific paper  
**Relevant results:** Review Paper
- 10** Gomez-Raya L; Rauw WM; Dekkers JCM. Vector space algebra for scaling and centering relationship matrices under non-Hardy-Weinberg equilibrium conditions. *Genetics Selection Evolution*. 53 - Article 7, pp. 1 - 18. 2021.  
**DOI:** 10.1186/s12711-020-00589-9  
**Type of production:** Scientific paper
- 11** Rauw WM; García Casco JM; Gómez Carballar F; de la Serna Fito E; Palma Granados P; Fernández Barroso MA; Gomez Raya L. Feed efficiency and loin meat quality in Iberian pigs. *Revista Brasileira de Zootecnia*. 49 - Article e20200009, pp. 1 - 15. 2020.  
**DOI:** 10.37496/rbz4920200009  
**Type of production:** Scientific paper
- 12** Gómez Izquierdo E; Gomez-Raya L; de Mercado de la Peña E; Ciruelos JJ; Rauw WM. Feed efficiency can be sustained in pigs fed with locally produced Narbon Vetch (*Vicia narbonensis* L.). *Sustainability*. 12 - Article 3993, pp. 1 - 12. 2020.

**DOI:** 10.3390/su12103993

**Type of production:** Scientific paper

- 13** Rauw WM; de Mercado de la Peña E; Gomez-Raya L; Garcia Cortes LA; Ciruelos JJ; Gomez-Izquierdo E. Impact of environmental temperature on production traits in pigs. *Scientific Reports*. 10 - Article 2106, pp. 1 - 14. 2020.

**DOI:** 10.1038/s41598-020-58981-w

**Type of production:** Scientific paper

- 14** Rauw WM; Rydhmer L; Kyriazakis I; Øverland M; Gilbert H; Dekkers JCM; Hermes S; Bouquet A; Gómez Izquierdo E; Louveau I; Gomez Raya L. Prospects for sustainability of pig production in relation to climate change and novel feed resources. *Journal of the Science of Food and Agriculture*. 100, pp. 3575 - 3586. 2020.

**DOI:** 10.1002/jsfa.10338

**Type of production:** Scientific paper

**Relevant results:** Review Paper

- 15** L Canario; P Bijma; I David; I Camerlink; A Martin; WM Rauw; L Flatres-Grall; L Van der Zande; SP Turner; C Larzul; L Rydhmer. Prospects for the analysis and reduction of damaging behaviour in group-housed livestock, with application to pig breeding. *Frontiers in Genetics*. 11 - Article 611073, pp. 1 - 19. 2020.

**DOI:** 10.3389/fgene.2020.611073

**Type of production:** Scientific paper

**Relevant results:** Review Paper

- 16** Gomez-Raya L; Rauw WM; Dunkelberger JR; Dekkers JCM. Autozygosity and genetic differentiation of Landrace and Large White pigs as revealed by the genetic analyses of crossbreds. *Frontiers in Genetics*. 10 - Article 739, pp. 1 - 17. 2019.

**DOI:** 10.3389/fgene.2019.00739

**Type of production:** Scientific paper

- 17** Outhouse AC; Helm ET; Patterson BM; Dekkers JCM; Rauw WM; Schwartz KJ; Gabler NK; Huff-Lonergan E; Lonergan SM. Effect of a dual enteric and respiratory pathogen challenge on swine growth, efficiency, carcass composition, and pork quality. *Journal of Animal Science*. 97 - 12, pp. 4710 - 4720. 2019.

**DOI:** 10.1093/jas/skz332

**Type of production:** Scientific paper

- 18** Gomez Raya L; Sillio L; Rauw WM; Garcia Cortes LA; Rodriguez MC. Extent of third-order linkage disequilibrium in a composite line of Iberian pigs. *BMC Genetics*. 19 - 60, pp. 1 - 14. 2018.

**DOI:** 10.1186/s12863-018-0661-4

**Type of production:** Scientific paper

- 19** Helm ET; Outhouse AC; Schwartz KJ; Dekkers JCM; Lonergan SM; Rauw WM; Gabler NK. Impact of *Mycoplasma hyopneumoniae* and *Lawsonia intracellularis* on the performance of pigs divergently selected for feed efficiency. *Journal of Animal Science*. 96 - 2, pp. 462 - 472. 2018.

**DOI:** 10.1093/jas/skx074

**Type of production:** Scientific paper

- 20** Gomez Raya L; Rauw WM; Cabaleiro S; Caamaño R; Garcia Cortes LA; Kause A. The relationship between feed efficiency, growth and group dominance dynamics in Turbot (*Scophthalmus maximus*). *Spanish Journal of Agricultural Research* 16(1), e064. 16 - 1, pp. 1 - 12. 2018.

**DOI:** 10.5424/sjar/2018161-12069

**Type of production:** Scientific paper



- 21** Rauw WM; Johnson AK; Dekkers JCM; Gomez Raya L. A hypothesis and review of the relationship between selection for improved production efficiency, coping behaviour, and domestication. *Frontiers in Genetics*. 8 - Article 134, pp. 1 - 13. 2017.  
**DOI:** 10.3389/fgene.2017.00134  
**Type of production:** Scientific paper  
**Relevant results:** Review Paper
- 22** Rauw WM; Mayorga EJ; Lei SM; Dekkers JCM; Patience JF; Gabler NK; Lonergan SM; Baumgard LH. Effects of diet and genetics on growth performance of pigs in response to repeated exposure to heat stress. *Frontiers in Genetics*. 8 - Article 155, pp. 1 - 18. 2017.  
**DOI:** 10.3389/fgene.2017.00155  
**Type of production:** Scientific paper
- 23** Rauw WM; Garcia Cortes LA; Villarroel M; Gomez Raya L. Response of rainbow trout (*Oncorhynchus mykiss*) to mirror images. *Spanish Journal of Agricultural Research*. 15 - 1, pp. 1 - 5. 2017.  
**DOI:** 10.5424/sjar/2017151-10136  
**Type of production:** Scientific paper
- 24** Douhard F; Lemaître JF; Rauw WM; Friggens NC. Allometric scaling of the elevation of maternal energy intake during lactation. *Frontiers in Zoology*. 13 - Article 32, 2016.  
**DOI:** 10.1186/s12983-016-0164-y  
**Type of production:** Scientific paper
- 25** Rauw WM. Editorial: Improving animal welfare through genetic selection. *Frontiers in Genetics*. pp. 1 - 2. 2016.  
**DOI:** 10.3389/fgene.2016.00069  
**Type of production:** Scientific paper  
**Relevant results:** Review Paper
- 26** Rauw WM; Larrán AM; Garcia Cortes LA; Rodriguez ML; Fernández J; Pinedo J; Villarroel M; Toro MA; Tomás Almenar C; Gomez Raya L. Feed efficiency of Rainbow trout (*Onchorynchus mykiss*) kept at high and low stocking density. *International Journal of Recirculating Aquaculture*. 13, pp. 11 - 18. 2016.  
**DOI:** 10.21061/ijra.v13i0.1515  
**Type of production:** Scientific paper
- 27** Rauw WM; Gomez Raya L. Genotype by environment interaction and breeding for robustness in livestock. *Frontiers in Genetics*. 6 - Article 310, pp. 1 - 15. 2015.  
**DOI:** 10.3389/fgene.2015.00310  
**Type of production:** Scientific paper  
**Relevant results:** Review Paper
- 28** Rauw WM. Philosophy and ethics of animal use and consumption: from Pythagoras to Bentham. *CAB Reviews*. 10 - 16, pp. 1 - 25. 2015.  
**DOI:** 10.1079/pavsnnr201510016  
**Type of production:** Scientific paper  
**Relevant results:** Review Paper
- 29** Rauw WM. A note on the consistency of a behavioural play marker in piglets. *Journal of Animal Science and Biotechnology*. 4 - Article 13, pp. 1 - 6. 2013.  
**DOI:** 10.1186/2049-1891-4-33  
**Type of production:** Scientific paper



- 30** Gomez Raya L; Hulse HA; Thain D; Rauw WM. Haplotype phasing after joint estimation of recombination and linkage disequilibrium in breeding populations. *Journal of Animal Science and Biotechnology*. 4 - Article 30, pp. 1 - 15. 2013.  
**DOI:** 10.1186/2049-1891-4-30  
**Type of production:** Scientific paper
- 31** Okomo-Adhiambo M; Rink A; Rauw WM; Gomez Raya L. Gene expression in Sinclair Swine with malignant melanoma. *Animal*. 6, pp. 179 - 192. 2012.  
**DOI:** 10.1017/S1751731111001637  
**Type of production:** Scientific paper
- 32** Rauw WM; Teglas MB; Chandra S; Forister ML. Growth, root formation, and nutrient value of Triticale plants fertilized with biosolids. *The Scientific World Journal*. doi:10.1100/2012/467, pp. 1 - 7. 2012.  
**DOI:** 10.1100/2012/467052  
**Type of production:** Scientific paper
- 33** Coker MR; Rauw WM; Nieto N; Thain D; Teglas MB. Hematologic and IgG response of heifers experimentally infected with the agent of epizootic bovine abortion. *Veterinary Clinical Pathology*. 41, pp. 344 - 352. 2012.  
**DOI:** 10.1111/j.1939-165X.2012.00446.x  
**Type of production:** Scientific paper
- 34** Rauw WM. Immune response from a resource allocation perspective. *Frontiers in Genetics*. 3 - Article 267, pp. 1 - 14. 2012.  
**DOI:** 10.3389/fgene.2012.00267  
**Type of production:** Scientific paper  
**Relevant results:** Review Paper
- 35** Rauw WM; Diaz I; Francés F; Corella D; Soler J; Tibau J; Gomez Raya L. The relationship between feed intake behaviour with intramuscular fat, cholesterol and fatty acid composition in pork. *Journal of Animal Breeding and Genetics*. 129, pp. 289 - 297. 2012.  
**DOI:** 10.1111/j.1439-0388.2011.00978.x  
**Type of production:** Scientific paper
- 36** Bigelow JP; Rauw WM; Gomez Raya L. Acclimation improves short-term survival of hatchery Lahontan cutthroat trout in water from saline, alkaline Walker Lake, Nevada. *Journal of Fish and Wildlife Management*. 1, pp. 86 - 92. 2010.  
**DOI:** 10.3996/012010-JFWM-001  
**Type of production:** Scientific paper
- 37** Bigelow JP; Rauw WM; Gomez Raya L. Acclimation in simulated lake water increases survival of Lahontan cutthroat trout challenged with water from saline, alkaline Walker Lake, Nevada. *Transactions of the American Fisheries Society*. 139, pp. 876 - 887. 2010.  
**DOI:** 10.1577/T09-168.1  
**Type of production:** Scientific paper
- 38** Rauw WM; Thain DS; Teglas MB; Wuliji T; Sandstrom MA; Gomez Raya L. Adaptability of pregnant Merino ewes to Nevada's cold desert climate. *Journal of Animal Science*. 88, pp. 860 - 870. 2010.  
**DOI:** 10.2527/jas.2009-2221  
**Type of production:** Scientific paper



- 39** Bigelow JP; Rauw WM; Gomez Raya L. Observations concerning reproductive temperature requirements of captive Lahontan cutthroat trout. *North American Journal of Aquaculture*. 71, pp. 252 - 255. 2009.  
**DOI:** 10.1577/A08-064.1  
**Type of production:** Scientific paper
- 40** Gomez Raya L; Amoss MS; Da Y; Beattie CW; Rauw WM. Role of selection and inbreeding on the incidence of cutaneous malignant melanoma in Sinclair swine. *Journal of Animal Breeding and Genetics*. 126, pp. 242 - 249. 2009.  
**DOI:** 10.1111/j.1439-0388.2008.00779.x  
**Type of production:** Scientific paper
- 41** Rauw WM; Hermes S; Bunter KL; Gomez Raya L. The relationship of food intake during growth and food intake at maturity with location food intake in a mouse model. *Livestock Science*. 123, pp. 249 - 254. 2009.  
**DOI:** 10.1016/j.livsci.2008.11.017  
**Type of production:** Scientific paper
- 42** Robinson ML; Gomez Raya L; Rauw WM; Peacock MM. Fulton's body condition factor K correlates with survival time in a thermal challenge experiment in juvenile Lahontan cutthroat trout (*Oncorhynchus clarki henshawi*). *Journal of Thermal Biology*. 33, pp. 363 - 368. 2008.  
**DOI:** 10.1016/j.jtherbio.2008.05.004  
**Type of production:** Scientific paper
- 43** Gomez Raya L; Priest K; Rauw WM; Okomo-Adhiambo M; Thain D; Bruce B; Rink A; Torrell RC; Grellman L; Narayanan R; Beattie CW. The value of DNA paternity identification in beef cattle: Examples from Nevada's free-range ranches. *Journal of Animal Science*. 86, pp. 17 - 24. 2008.  
**DOI:** 10.2527/jas.2007-0068  
**Type of production:** Scientific paper
- 44** Rauw WM; Portoles O; Corella D; Soler J; Reixach J; Tibau J; Prat JM; Diaz I; Gomez Raya L. Behaviour influences cholesterol plasma levels in a pig model. *Animal*. 1, pp. 865 - 871. 2007.  
**DOI:** 10.1017/S1751731107000018  
**Type of production:** Scientific paper
- 45** Gomez Raya L; Okomo M; Beattie CW; Osborne K; Rink A; Rauw WM. Modeling inheritance of malignant melanoma with DNA markers in Sinclair swine. *Genetics*. 176, pp. 585 - 597. 2007.  
**DOI:** 10.1534/genetics.106.070268  
**Type of production:** Scientific paper
- 46** Rauw WM; Glimp HA; Jesko W; Gomez Raya L. Weaning weights in a range purebred Merino and crossbred Merino x Rambouillet flock. *Sheep and Goat Research Journal*. 22, pp. 1 - 6. 2007.  
**Type of production:** Scientific paper
- 47** Rauw WM. A note on behavioural response to a novel arena in lactating mice highly selected for litter size. *Applied Animal Behaviour Science*. 99, pp. 357 - 365. 2006.  
**DOI:** 10.1016/j.applanim.2005.10.015  
**Type of production:** Scientific paper
- 48** Rauw WM; Soler J; Tibau J; Reixach J; Gomez Raya L. Feeding time and feeding rate and its relationship with feed intake, feed efficiency, growth rate and rate of fat deposition in growing Duroc barrows. *Journal of Animal Science*. 84, pp. 3404 - 3409. 2006.  
**DOI:** 10.2527/jas.2006-209  
**Type of production:** Scientific paper



- 49** Rauw WM; Soler J; Tibau J; Reixach J; Gomez Raya L. The relationship between residual feed intake and feed intake behaviour in group-housed Duroc barrows. *Journal of Animal Science*. 84, pp. 956 - 962. 2006.  
**DOI:** 10.2527/2006.844956x  
**Type of production:** Scientific paper
- 50** Varona L; Gomez Raya L; Rauw WM; Noguera JL. A simulation study on the detection of causal mutations from F2 experiments. *Journal of Animal Breeding and Genetics*. 122, pp. 30 - 36. 2005.  
**Type of production:** Scientific paper
- 51** Varona L; Gomez Raya L; Rauw WM; Ovilo C; Clop A; Noguera JL. The value of prior information for detection of QTL affecting longitudinal traits: an example using Von Bertallanffy growth function. *Journal of Animal Breeding and Genetics*. 122, pp. 37 - 48. 2005.  
**DOI:** 10.1111/j.1439-0388.2004.00477.x  
**Type of production:** Scientific paper
- 52** Varona L; Gomez Raya L; Rauw WM; Clop A; Ovilo C; Noguera JL. Derivation of a Bayes factor to distinguish between linked or pleiotropic QTL. *Genetics*. 166, pp. 1025 - 1035. 2004.  
**DOI:** 10.1534/genetics.166.2.1025  
**Type of production:** Scientific paper
- 53** Rauw WM; Portolés O; Soler J; Reixach J; Prat Cufi JM; Diaz I; Gomez Raya L. Preliminary results on the relationship between cholesterol and triglyceride serum levels and body weight around weaning in pigs. *Información Técnica Económica Agraria*. 100, pp. 284 - 288. 2004.  
**Type of production:** Scientific paper
- 54** Casellas J; Rauw WM; Piedrafita J; Sánchez A; Arqué M; Noguera JL. Viability of Iberian x Meishan F2 newborn pigs. I. Analysis of physiological and vitality variables. *Journal of Animal Science*. 82, pp. 1919 - 1924. 2004.  
**Type of production:** Scientific paper
- 55** Rauw WM; Varona L; Gomez Raya L; Noguera JL. Meat production using four terminal lines in pig production. *Journal of the Science of Food and Agriculture*. 83, pp. 1504 - 1510. 2003.  
**DOI:** 10.1002/jsfa.1568  
**Type of production:** Scientific paper
- 56** Rauw WM; Knap PW; Gomez Raya L; Varona L; Noguera JL. Reallocation of body resources in lactating mice highly selected for litter size. *Journal of Animal Science*. 81, pp. 939 - 944. 2003.  
**DOI:** 10.2527/2003.814939x  
**Type of production:** Scientific paper
- 57** Rauw WM. Cambios en la redistribución de recursos nutritivos debidos a la selección por tamaño de camada. *Información Técnica Económica Agraria*. 98A, pp. 243 - 246. 2002.  
**Type of production:** Scientific paper
- 58** Rauw WM; Knap PW; Verstegen MWA; Luiting P. Food resource allocation patterns in lactating females in a long-term selection experiment for litter size in mice. *Genetics Selection Evolution*. 34, pp. 83 - 104. 2002.  
**DOI:** 10.1051/gse:2001005  
**Type of production:** Scientific paper
- 59** Varona L; Rauw WM; Gomez Raya L; Noguera JL. Un modelo bayesiano para la estimación individual de la eficiencia biológica. *Información Técnica Económica Agraria*. 98A, pp. 247 - 250. 2002.  
**Type of production:** Scientific paper



- 60** Rauw WM; Knap PW; Verstegen MWA; Luiting P. Body composition in non-reproductive adult males and females in a long-term selection experiment for litter size in mice. *Journal of Animal Breeding and Genetics*. 118, pp. 197 - 204. 2001.  
**DOI:** 10.1046/j.1439-0388.2001.00286.x  
**Type of production:** Scientific paper
- 61** Rauw WM; Luiting P; Bakken M; Schuurman T; de Veer CJM; Vangen, O.. Behavioural differences in non-reproductive adult females in a long-term selection experiment for litter size in mice. *Applied Animal Behaviour Science*. 66, pp. 249 - 262. 2000.  
**DOI:** 10.1016/S0168-1591(99)00092-1  
**Type of production:** Scientific paper
- 62** Rauw WM; Luiting P; Verstegen MWA; Vangen O; Knap PW. Differences in food resource allocation in a long-term selection experiment for litter size in mice. 1. Developmental trends in body weight and food intake against time. *Animal Science*. 71, pp. 31 - 38. 2000.  
**Type of production:** Scientific paper
- 63** Rauw WM; Luiting P; Verstegen MWA; Vangen O; Knap PW. Differences in food resource allocation in a long-term selection experiment for litter size in mice. 2. Developmental trends in body weight against food intake. *Animal Science*. 71, pp. 39 - 47. 2000.  
**Type of production:** Scientific paper
- 64** Rauw WM; Luiting P; Beilharz BG; Verstegen MWA; Vangen O. Selection for litter size and its consequences for the allocation of feed resources - a concept and its implications illustrated by mice selection experiments. *Livestock Production Science*. 60, pp. 329 - 341. 1999.  
**DOI:** 10.1016/S0301-6226(99)00104-9  
**Type of production:** Scientific paper
- 65** Rauw WM; Kanis E; Noordhuizen-Stassen EN; Grommers FJ. Undesirable side effects of selection for high production efficiency in farm animals: a review. *Livestock Production Science*. 56, pp. 15 - 33. 1998.  
**DOI:** 10.1016/S0301-6226(98)00147-X  
**Type of production:** Scientific paper  
**Relevant results:** Review Paper
- 66** WM Rauw. Effects of heat stress on fattening pig's performance and resilience. *Pig Progress*: In press. 2023.  
**Type of production:** Popular science article
- 67** Gómez Izquierdo E; Rauw WM; Gomez-Raya L. Control de la temperatura ambiental en lechones y cerdos de cebo. *Ganadería*. 140, pp. 56 - 58. 2022. Available on-line at: <<https://dialnet.unirioja.es/servlet/articulo?codigo=8559216>>.  
**Type of production:** Popular science article
- 68** Gómez Izquierdo E; Rauw WM; Gomez-Raya L. Las leguminosas autóctonas y su futuro en ganadería. *Plataforma Tierra*. 2022. Available on-line at: <<https://www.plataformatierra.es/innovacion/las-leguminosas-autoctonas-y-su-futuro-en-ganaderia/>>.  
**Type of production:** Popular science article
- 69** WM Rauw; E Gómez Izquierdo; E de Miguel Beascochea; L Gomez-Raya. Sostenibilidad en la producción animal a través de uso de legumbres autóctonas. *Plataforma Tierra*. May, 2021. Available on-line at: <<https://www.plataformatierra.es/innovacion/produccion-animal-legumbres-autoctonas/>>.  
**Type of production:** Popular science article



- 70** Gómez Izquierdo E; Gomez-Raya L; García Cortes LA; Ciruelos Pellón JJ; de Mercado de la Peña E; Martín Diana AB; Martín Pedrosa M; Rauw WM. Uso de legumbres autóctonas en nutrición porcina / Employment of local legumes for swine nutrition. *Suis.* 169, pp. 1 - 6. 2020.  
**Type of production:** Popular science article
- 71** Rauw WM; Wuliji T; Thain DS; Teglas MB; Filbin T; Joos D; Gomez Raya L. Body weight loss and estimated grazing intake in free range sheep and cattle. *Cattlemen's Update.* pp. 33 - 35. 2007.  
**Type of production:** Popular science article
- 72** Gomez-Raya L; Kirchoff V; Marshall M; Coker M; Rauw WM; Teglas MB; Conley K; Joos D; Beattie CW; Torell R; Bruce LB; Rink A; Thain DS. DNA paternity identification and intra-herd EPDs in free range beef cattle. *Cattlemen's Update.* pp. 25 - 26. K. Conley, D. Joos, C.W. Beattie, R. Torell, L.B. Bruce, A. Rink, D.S. Thain, 2007.  
**Type of production:** Popular science article
- 73** Rauw WM. Aspectos genéticos de la eficiencia alimenticia en porcino. *Albeitar.* 68, pp. 22 - 23. 2003.  
**Type of production:** Popular science article
- 74** Rauw WM. Asignación de recursos en animales de alta producción. *Albeitar.* 49, pp. 42 - 43. 2001.  
**Type of production:** Popular science article
- 75** Gomez Raya L; Varona L; Rauw WM; Noguera JL. Caracterización de genes que influyen en los caracteres productivos del vacuno de leche. *Albeitar.* 49, 2001.  
**Type of production:** Popular science article
- 76** WM Rauw; JCM Dekkers; L Gomez-Raya. Improving animal welfare using genetic and genomic tools. *Bridging Research Disciplines to Advance Animal Welfare Science: A practical guide.* Chapter 12, pp. 190 - 212. CAB International, 2021. ISBN 9781789247886  
**DOI:** 10.1079/9781789247893.0012  
**Type of production:** Book chapter
- 77** Rauw WM; Gomez Raya L. Effects of stress on growth and development: from domestication to factory farming. *Biology of Domestic Animals.* Chapter 9, pp. 241 - 265. CRC Press, 2017. ISBN 9781498747851  
**Type of production:** Book chapter
- 78** Rauw WM. Feed efficiency and animal robustness. *Feed Efficiency in the Beef Industry.* pp. 105 - 122. Wiley Blackwell, 2012. ISBN 9780470959527  
**DOI:** 10.1002/9781118392331.ch8  
**Type of production:** Book chapter
- 79** Rauw WM. Introduction. *Resource Allocation Theory Applied to Farm Animal Production.* pp. 1 - 21. CAB International Publishing, 2008. ISBN 9781845933944  
**DOI:** 10.1079/9781845933944.0000  
**Type of production:** Book chapter
- 80** Knap PW; Rauw WM. Selection for high production in pigs. *Resource Allocation Theory Applied to Farm Animal Production.* pp. 210 - 229. CAB International Publishing, 2008. ISBN 9781845933944  
**DOI:** 10.1079/9781845933944.0000  
**Type of production:** Book chapter





- 81** Siegel PB; Honaker CF; Rauw WM. Selection for high production in poultry. Resource Allocation Theory Applied to Farm Animal Production. pp. 230 - 242. CAB International Publishing, 2008. ISBN 9781845933944  
**DOI:** 10.1079/9781845933944.0000  
**Type of production:** Book chapter
- 82** Rauw WM. Improving Animal Welfare through Genetic Selection. Improving Animal Welfare through Genetic Selection. pp. 1 - 108. Frontiers in Genetics e-book, Frontiers Media S.A., 2016. ISSN 1664-8714, ISBN 978-2-88919-883-2  
**DOI:** 10.3389/978-2-88919-883-2  
**Type of production:** Scientific book or monograph
- 83** Rauw WM. Resource Allocation Theory Applied to Farm Animal Production. Resource Allocation Theory Applied to Farm Animal Production. pp. 1 - 344. CAB International Publishing, 2008. ISBN 9781845933944  
**DOI:** 10.1079/9781845933944.0000  
**Type of production:** Scientific book or monograph
- 84** Rauw WM; Mayorga EJ; Lei SM; Patience JF; Gabler NK; Lonergan SM; Dekkers JCM; Baumgard LH. Effects of diet and genetics on production traits in response to repeated exposure to heat stress in pigs. Animal Industry Report, Iowa State University. ASL R3194, pp. 1 - 3. 2017.  
**Type of production:** Scientific-technical report
- 85** Rauw WM; Wuliji T; Thain DS; Teglas MB; Filbin T; Joos D; Gomez Raya L. Body weight loss and estimated grazing intake in free range sheep and cattle. Cattlemen's Update. pp. 33 - 35. 2008.  
**Type of production:** Scientific-technical report
- 86** Gomez Raya L; Kirchoff V; Marshall M; Coker M; Rauw WM; Teglas MB; Conley K; Joos D; Beattie CW; Torell R; Bruce LB; Rink A; Thain DS. DNA paternity identification and intra-herd EPDs in free range beef cattle. Cattlemen's Update. 25-26, 2008.  
**Type of production:** Scientific-technical report

### Works submitted to national or international conferences

- 1** **Title of the work:** Fattening pigs: Has genetic selection predisposed modern pigs to inflammation?  
**Name of the conference:** DSM Global Swine Days  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Madrid, Spain  
**Date of event:** 2023  
Rauw WM.
- 2** **Title of the work:** Feed efficiency in pig production: metabolic flexibility, resilience, and sustainability  
**Name of the conference:** AGG seminar, NMBU  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Aas, Norway  
**Date of event:** 2023
- 3** **Title of the work:** Producción y resiliencia de la agricultura circular en la producción porcina  
**Name of the conference:** 46º Congreso Argentino de Producción Animal  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** UNNOBA (Monteagudo 2722) - ciudad de Pergamino (Buenos Aires), Argentina  
**Date of event:** 2023



- 4** **Title of the work:** Genotyping errors in SNP markers: types, consequences, and a novel detection method  
**Name of the conference:** World Congress on Genetics Applied to Livestock Production  
**Type of participation:** Participatory - oral communication  
**City of event:** Rotterdam, Holland  
**Date of event:** 2022  
Rauw WM; Gil MG; Torres O; Gomez-Raya L.
- 5** **Title of the work:** Geometry meets Genomics  
**Name of the conference:** World Congress on Genetics Applied to Livestock Production  
**Type of participation:** Participatory - oral communication  
**City of event:** Rotterdam, Holland  
**Date of event:** 2022  
Gomez-Raya L; Rauw WM; Hess A.
- 6** **Title of the work:** Mejora genética en sistemas agrícolas y ganaderos circulares: razas locales de gallinas y legumbres autóctonas  
**Name of the conference:** XX Reunión Nacional de Mejora Genética Animal  
**Type of participation:** Participatory - oral communication  
**City of event:** Madrid, Spain  
**Date of event:** 2022  
Torres O; García Gil M; Gomez-Raya L; Gómez Izquierdo E; de Miguel Beascochea E; Rauw WM.
- 7** **Title of the work:** Prospects of Swine Production in the Context of Climate Change  
**Name of the conference:** 55th Annual Meeting of the American Society of Animal Science Midwest Section  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Omaha, United States of America  
**Date of event:** 2022  
Rauw WM.
- 8** **Title of the work:** Prospects of Swine Production in the Context of Climate Change  
**Name of the conference:** ABG Seminar Iowa State University, Dept of Animal Science  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Ames, Iowa, United States Minor Outlying Islands  
**Date of event:** 2022  
Rauw WM.
- 9** **Title of the work:** Utilización del cociente entre heterófilos y linfocitos como indicador del estrés ambiental (térmico e hídrico)  
**Name of the conference:** XX Reunión Nacional de Mejora Genética Animal  
**Type of participation:** Participatory - oral communication  
**City of event:** Madrid, Spain  
**Date of event:** 2022  
García Gil M; Gomez-Raya L; Torres O; Rauw WM.
- 10** **Title of the work:** Rate of rejection of first-degree relationships for assigning parent-offspring relationships and estimation of genotyping errors with a high-density array in pigs  
**Name of the conference:** ISAG 2021 Virtual Conference, International Society for Animal Genetics  
**Type of participation:** Participatory - oral communication  
**Date of event:** 2021  
Gomez-Raya L; Gómez Izquierdo E; De Mercado de la Peña E; Rauw WM.



- 11 Title of the work:** Climate change, alternative feeds and animal robustness: Future perspectives in animal production  
**Name of the conference:** Celebration of Science Maxwell Lecture  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Purdue University, United States of America  
**Date of event:** 2020  
Rauw WM.
- 12 Title of the work:** Sustainable production systems: The case for localization of feed production  
**Name of the conference:** Annual Congress of the Korean Society of Animal Science and Technology  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Democratic People's Republic of Korea  
**Date of event:** 2020  
Rauw WM.
- 13 Title of the work:** A general method to relate feed intake and body mass across individuals and species  
**Name of the conference:** 70th Annual Meeting of the EAAP  
**Type of participation:** Participatory - oral communication  
**City of event:** Ghent, Belgium  
**Date of event:** 2019  
Filipe JAN; Piles M; Rauw WM; Kyriazakis I.
- 14 Title of the work:** Climate change, heat stress, and animal robustness: Future perspectives in pig production  
**Name of the conference:** 65th International Congress of Meat Science and Technology (ICoMST)  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Potsdam, Germany  
**Date of event:** 2019  
Rauw WM.
- 15 Title of the work:** Estimation of genomic regions associated with assortative mating  
**Name of the conference:** 37th International Society for Animal Genetics Conference (ISAG)  
**Type of participation:** Participatory - poster  
**City of event:** Lleida, Spain  
**Date of event:** 2019  
Gomez-Raya L; Garcia Cortes LA; Rauw WM.
- 16 Title of the work:** Feed efficiency x diet interaction on acorns vs. a commercial diet in Iberian pigs  
**Name of the conference:** 70th Annual Meeting of the EAAP  
**Type of participation:** Participatory - oral communication  
**City of event:** Ghent, Belgium  
**Date of event:** 2019  
Rauw WM; Garcia Cortes LA; Gómez Carballar F; García Casco JM; de la Serna Fito E; Gomez-Raya L.
- 17 Title of the work:** Generalizing the construction of genomic relationship matrices  
**Name of the conference:** 70th Annual Meeting of the EAAP  
**Type of participation:** Participatory - oral communication  
**City of event:** Ghent, Belgium  
**Date of event:** 2019  
Gomez-Raya L; Rauw WM; Dekkers JCM.



- 18** **Title of the work:** Recent international advancement in pig production – impact on climate  
**Name of the conference:** FeedMileage Seminar  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Aas, Norway  
**Date of event:** 2019  
Rauw WM.
- 19** **Title of the work:** Regulatory genes and pathways influencing FE traits in Norwegian Landrace pigs fed fibre-rich diet  
**Name of the conference:** 70th Annual Meeting of the EAAP  
**Type of participation:** Participatory - oral communication  
**City of event:** Ghent, Belgium  
**Date of event:** 2019  
Skugor A; Mydland LT; Rauw WM; Øverland M.
- 20** **Title of the work:** Relationship between feed efficiency and meat quality in Iberian pigs  
**Name of the conference:** X International Symposium of Mediterranean Pig (XPIGMED)  
**Type of participation:** Participatory - oral communication  
**City of event:** Florence, Italy  
**Date of event:** 2019  
Rauw WM; García Casco JM; Gómez Carballar F; Garcia Cortes LA; de la Serna Fito E; Palma Granados P; Fernández Barroso MA; Gomez Raya L.
- 21** **Title of the work:** Resultados preliminares sobre la relación entre la eficiencia alimentaria, los parámetros de estrés y los rendimientos en matadero en machos castrados Ibérico x Duroc/Preliminary results on the relationship between feed efficiency, stress parameters and slaughter yields in Iberian x Duroc barrows  
**Name of the conference:** XVIII Jornadas sobre Producción Animal (AIDA)  
**Type of participation:** Participatory - oral communication  
**City of event:** Zaragoza, Spain  
**Date of event:** 2019  
de Mercado de la Peña E; Gomez Izquierdo E; Ciruelos JJ; García Cortés LA; Rodríguez MC; Silió L; Gomez-Raya L; Rauw WM.
- 22** **Title of the work:** Sustainability of extensive Iberian pig production through improved feed efficiency and genomic selection  
**Name of the conference:** 37th International Society for Animal Genetics Conference (ISAG)  
**Type of participation:** Participatory - poster  
**City of event:** Lleida, Spain  
**Date of event:** 2019  
Rauw WM; Garcia Cortes LA; García Casco JM; Matos Moreno G; Gómez Carballar F; de la Serna Fito, E.; Gomez-Raya, L.
- 23** **Title of the work:** Sustainability of pig production through improved feed efficiency  
**Name of the conference:** 70th Annual Meeting of the EAAP  
**Type of participation:** Participatory - poster  
**City of event:** Ghent, Belgium  
**Date of event:** 2019  
Rauw WM; Gómez Izquierdo E; Garcia Cortes LA; de Mercado de la Peña E; Garcia Casco JM; Ciruelos JJ; Gomez-Raya L.



- 24** **Title of the work:** Sustainability of pig production through improved feed efficiency (SusPig)  
**Name of the conference:** ERA-NET SusAn midterm seminars  
**Type of participation:** Participatory - oral communication  
**City of event:** Wageningen, Holland  
**Date of event:** 2019  
Rauw WM.
- 25** **Title of the work:** Achieving balance – why it is possible to achieve sustainable high productivity and respect animal welfare  
**Name of the conference:** Feed Protein Vision  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Amsterdam, Holland  
**Date of event:** 2018  
Rauw WM. Available on-line at: <<https://www.feedproteinvision.com/programme/>>.
- 26** **Title of the work:** Construction of a genetic relationship matrix using linked markers  
**Name of the conference:** 69th Annual Meeting of the European Association for Animal Production  
**City of event:** Dubrovnik, Croatia  
**Date of event:** 2018  
Gomez Raya L; Rauw WM; Silio L; Rodriguez MC; Garcia Cortes LA.
- 27** **Title of the work:** Does selection for feed efficiency in pigs improve robustness to heat stress?  
**Name of the conference:** 69th Annual Meeting of the European Association for Animal Production  
**City of event:** Dubrovnik, Croatia  
**Date of event:** 2018  
Rauw WM; Mayorga Lozano EJ; Dekkers JCM; Patience JF; Gabler N; Lonergan SM; Baumgard LH.
- 28** **Title of the work:** Realized autozygosity and genetic differentiation of Landrace x Large White crossbreeds  
**Name of the conference:** 69th Annual Meeting of the European Association for Animal Production  
**City of event:** Dubrovnik, Croatia  
**Date of event:** 2018  
Gomez Raya L; Rauw WM; Dunkelberger J; Dekkers JCM.
- 29** **Title of the work:** Selection for robustness in livestock animals – new genotypes meeting future sustainable demands  
**Name of the conference:** Expert Panel Discussion, Global Forum for Food and Agriculture  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Berlin, Germany  
**Date of event:** 2018  
Rauw WM.
- 30** **Title of the work:** The relationship between feed efficiency and physiological stress parameters in Duroc x Iberian pigs  
**Name of the conference:** 69th Annual Meeting of the European Association for Animal Production  
**City of event:** Dubrovnik, Croatia  
**Date of event:** 2018  
Rauw WM; De Mercado E; Garcia Cortes LA; Gomez Raya L; Silio L; Rodriguez MC; Gomez Izquierdo E.
- 31** **Title of the work:** Depresión endogámica potencial para tamaño de camada en cerdos Ibéricos de la estirpe Torbiscal  
**Name of the conference:** AIDA, XVII Jornadas sobre Producción Animal



**City of event:** Zaragoza, Spain

**Date of event:** 2017

Garcia Cortes LA; Rodriguez MC; Gomez Raya L; Rauw WM; Silio L.

- 32** **Title of the work:** Disease impact on carcass composition and meat quality of pigs selected for high and low residual feed intake  
**Name of the conference:** 63rd International Congress of Meat Science & Technology  
**City of event:** Cork, Ireland  
**Date of event:** 2017  
Outhouse AC; Helm ET; Patterson BM; Dekkers JCM; Rauw WM; Schwartz KJ; Gabler NK; Huff-Lonergan E; Lonergan SM.
- 33** **Title of the work:** Effects of genetics on growth and feed intake in response to repeated exposure to heat stress  
**Name of the conference:** ASAS Midwest Meeting  
**City of event:** Omaha, Nebraska, United States of America  
**Date of event:** 2017  
Rauw WM; Mayorga EJ; Lei SM; Dekkers JCM; Patience JF; Gabler NK; Lonergan SM; Baumgard LH.
- 34** **Title of the work:** Effects of genetics on thermal regulatory responses to repeated heat stress exposure in pigs  
**Name of the conference:** ASAS Midwest Meeting  
**City of event:** Omaha, Nebraska, United States of America  
**Date of event:** 2017  
Rauw WM; Mayorga EJ; Lei SM; Dekkers JCM; Patience JF; Gabler NK; Lonergan SM; Baumgard LH.
- 35** **Title of the work:** Non-random distribution of runs of homozygosity across the genome of Landrace x Large White crossbreds  
**Name of the conference:** ASAS Midwest Meeting  
**City of event:** Omaha, Nebraska, United States of America  
**Date of event:** 2017  
Gomez Raya L; Dunkelberger JR; Lunney JK; Rowland RRR; Rauw WM; Dekkers JCM.
- 36** **Title of the work:** Desequilibrio de ligamiento de tercer orden en la linea Torbiscal de cerdo Ibérico  
**Name of the conference:** XVIII Reunión Nacional de Mejora Genetica Animal  
**City of event:** Valencia, Spain  
**Date of event:** 2016  
Gomez Raya L; Rodriguez MC; Rauw WM; Silio L.
- 37** **Title of the work:** Feed efficiency and animal robustness in livestock and aquaculture production  
**Name of the conference:** FeedMileage Workshop  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Ås, Norway  
**Date of event:** 2016  
Rauw WM.
- 38** **Title of the work:** Random regression analysis of feed efficiency in families of Turbot (*Scophthalmus maximus*)  
**Name of the conference:** 67th Annual Meeting of the European Association for Animal Production  
**City of event:** Belfast, United Kingdom  
**Date of event:** 2016



Rauw WM; Kause A; Cabaleiro S; Caamaño R; Garcia Cortes LA; Gomez Raya L.

- 39 Title of the work:** Random regression analysis of feed efficiency in families of Turbot (*Scophthalmus maximus*)  
**Name of the conference:** Boosting the domestication of established farmed finfish species through selective breeding, Fishboost Project Meeting  
**City of event:** Heraklion, Greece  
**Date of event:** 2016  
Rauw WM; Gomez Raya L; Cabaleiro S; Caamaño R; Garcia Cortes LA; Kause A.
- 40 Title of the work:** Recovery of homeostatic state in rainbow trout (*Oncorhynchus mykiss*) reared during and initial period at high densities  
**Name of the conference:** Aquaculture Europe 2016  
**City of event:** Edinburgh, United Kingdom  
**Date of event:** 2016  
Tomás C; De Mercado E; Pinedo J; Larrán AM; Gomez Raya L; Garcia Cortes LA; Fernandez J; Villarroel M; Toro MA; Rauw WM.
- 41 Title of the work:** Selection for robustness in livestock  
**Name of the conference:** Midterm reunion EU ERANET project ClimGen  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Madrid, Spain  
**Date of event:** 2016  
Rauw WM; Gomez Raya L.
- 42 Title of the work:** Widespread third order linkage disequilibrium in the swine genome  
**Name of the conference:** 67th Annual Meeting of the European Association for Animal Production  
**City of event:** Belfast, United Kingdom  
**Date of event:** 2016  
Gomez Raya L; Rodriguez MC; Silio L; Barragán C; Rauw WM.
- 43 Title of the work:** A genetic model for feed efficiency accounting for group competition in Rainbow trout  
**Name of the conference:** Aquaculture Europe 2015  
**City of event:** Rotterdam, Holland  
**Date of event:** 2015  
Gomez Raya L; Garcia Cortes LA; Tomás C; Larrán AM; Fernandez J; Pinedo J; Villarroel M; Toro MA; Rauw WM.
- 44 Title of the work:** Compensatory growth of high density rearing after relocation at low density in rainbow trout (*Oncorhynchus mykiss*)  
**Name of the conference:** Aquaculture Europe 2015  
**City of event:** Rotterdam, Holland  
**Date of event:** 2015  
Tomás C; Pinedo J; Larrán AM; Gomez Raya L; Garcia Cortes LA; Fernandez J; Villarroel M; Toro MA; Rauw WM.
- 45 Title of the work:** Efecto de la competición sobre los parámetros productivos en trucha arco iris (*Oncorhynchus mykiss*)  
**Name of the conference:** XV Congreso de Acuicultura  
**City of event:** Huelva, Spain  
**Date of event:** 2015



Larrán AM; Gomez Raya L; Tomás C; Pinedo J; Garcia Cortes LA; Fernandez J; De Mercado E; Villarroel M; Toro MA; Rauw WM.

- 46** **Title of the work:** Genomic inbreeding coefficients based on the length of runs of homozygosity  
**Name of the conference:** 66th Annual Meeting of the European Association for Animal Production  
**City of event:** Warsaw, Poland  
**Date of event:** 2015  
**Organising entity:** EAAP  
Gomez Raya L; Rodriguez C; Barragán C; Rauw WM; Silio L.
- 47** **Title of the work:** Open-field response in fish subjected to high and low stocking density  
**Name of the conference:** 66th Annual Meeting of the European Association for Animal Production  
**City of event:** Warsaw, Poland  
**Date of event:** 2015  
Rauw WM; Garcia Cortés LA; Larrán AM; Fernandez J; Pinedo J; Villarroel M; Toro MA; Gomez Raya L.
- 48** **Title of the work:** Potential impact of selection for feed efficiency on animal robustness  
**Name of the conference:** International Conference on Feed Efficiency in Swine - ICFES  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Omaha, United States of America  
**Date of event:** 2015  
Rauw WM.
- 49** **Title of the work:** Resource allocation in livestock production, past – present - future  
**Name of the conference:** Workshop at Farm Bureau Pavilion  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Ames, United States of America  
**Date of event:** 2015  
Rauw WM.
- 50** **Title of the work:** Resultados preliminares de respuesta en un test de campo abierto en peces a alta y baja densidad  
**Name of the conference:** XVI Jornadas Sobre Producción Animal (AIDA)  
**City of event:** Zaragoza, Spain  
**Date of event:** 2015  
Rauw WM; Garcia Cortés LA; Larrán AM; Fernandez J; Pinedo J; Villarroel M; Toro MA; Tomás C; Gomez Raya L.
- 51** **Title of the work:** Performance and trade-offs in animal science and ecology  
**Name of the conference:** The Livestock Ecology Lab 2014 Workshop  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Villaceaux, France  
**Date of event:** 2014  
Rauw WM.
- 52** **Title of the work:** Tank residual feed intake at high and low stocking densities in Rainbow Trout  
**Name of the conference:** Aquaculture Europe  
**City of event:** Donastia, Spain  
**Date of event:** 2014  
Larrán AM; Gomez Raya L; Garcia Cortés LA; Rodriguez ML; Fernandez J; Pinedo J; Villarroel M; Toro MA; Rauw WM.





- 53** **Title of the work:** Consistency of a behavioural play marker in piglets  
**Name of the conference:** 64rd Annual Meeting of the European Association of Animal Production  
**City of event:** Nantes, France  
**Date of event:** 2013  
Rauw WM.
- 54** **Title of the work:** Do mirrors reduce stress in captive fish?  
**Name of the conference:** 64rd Annual Meeting of the European Association of Animal Production  
**City of event:** Nantes, France  
**Date of event:** 2013  
Rauw WM; Fernández J; Gomez Raya L; García Cortés LA; Toro MA; Larran AM; Villarroel M.
- 55** **Title of the work:** Joint estimation of recombination fraction and linkage disequilibrium for phasing long haplotypes  
**Name of the conference:** 64rd Annual Meeting of the European Association of Animal Production  
**City of event:** Nantes, France  
**Date of event:** 2013  
Gomez Raya L; Hulse AM; Thain D; Rauw WM.
- 56** **Title of the work:** Relationship between adult feed intake and litter weight in mice selected for litter size  
**Name of the conference:** 63rd Annual Meeting of the European Association of Animal Production  
**City of event:** Bratislava, Slovenia  
**Date of event:** 2012  
Rauw WM.
- 57** **Title of the work:** Selection for feed efficiency – a cautionary note  
**Name of the conference:** XVI Reunion de Mejora Genetica Animal  
**City of event:** Ciutadella de Menorca, Balearic Islands, Spain  
**Date of event:** 2012  
Rauw WM.
- 58** **Title of the work:** Testing of inter-chromosomal LD in a half-sib family of cattle  
**Name of the conference:** 63rd Annual Meeting of the European Association of Animal Production  
**City of event:** Bratislava, Slovenia  
**Date of event:** 2012  
Gomez Raya L; Rauw WM.
- 59** **Title of the work:** Breeding for resource efficiency in grazing animals on resource-poor rangelands  
**Name of the conference:** 62nd Annual Meeting of the European Association of Animal Production  
**City of event:** Stavanger, Norway  
**Date of event:** 2011  
Rauw WM.
- 60** **Title of the work:** Ignoring half-sib family structure leads to biased estimates of linkage disequilibrium  
**Name of the conference:** 62nd Annual Meeting of the European Association of Animal Production  
**City of event:** Stavanger, Norway  
**Date of event:** 2011  
Gomez Raya L; Rauw WM.



- 61** **Title of the work:** Selective genotyping using genome-wide association studies (GWAS) that are associated with fiber diameter in Merino sheep  
**Name of the conference:** Joint Animal Meeting of the ADSA-PSA-AMPA-CSAS-ASAS  
**City of event:** Denver, United States of America  
**Date of event:** 2010  
Goher M; Rauw WM; Thain D; Gomez Raya L.
- 62** **Title of the work:** The use of illumine 50K BeadChip and selection of extremes for mapping QTL affecting fiber diameter in sheep  
**Name of the conference:** XVIII Plant and Animal Genome Meeting  
**City of event:** San Diego, United States of America  
**Date of event:** 2010  
Goher M; Rauw WM; Thain D; Gomez Raya L.
- 63** **Title of the work:** Sustainability and ethics of animal breeding  
**Name of the conference:** 90th Annual Meeting of the American Association for the Advancement of Science – Pacific Division  
**City of event:** San Francisco, United States of America  
**Date of event:** 2009  
Rauw WM.
- 64** **Title of the work:** A single fleece test method improves premium wool traits in range sheep flock  
**Name of the conference:** Joint ADSA-ASAS Annual Meeting  
**City of event:** Indianapolis, United States of America  
**Date of event:** 2008  
Wuliji T; Borda T; Glimp HA; Gomez Raya L; Rauw WM.
- 65** **Title of the work:** Consequences of selection for increased performance for robustness  
**Name of the conference:** Annual Western Belted Galloway Society, cattle association  
**City of event:** Reno, United States of America  
**Date of event:** 2008  
Rauw WM.
- 66** **Title of the work:** Effects of female holding temperature and post-ovulatory oocyte ageing on egg survival in Pilot Peak Lahontan cutthroat trout  
**Name of the conference:** Joint ADSA-ASAS Annual Meeting  
**City of event:** Indianapolis, United States of America  
**Date of event:** 2008  
Bigelow JP; Peacock M; Rauw WM; Gomez Raya L.
- 67** **Title of the work:** Linkage disequilibrium of the SLA region loci with malignant melanoma in Sinclair swine  
**Name of the conference:** Joint ADSA-ASAS Annual Meeting  
**City of event:** Indianapolis, United States of America  
**Date of event:** 2008  
Gomez Raya L; Miller M; Ho CS; Kirchoff V; Smith DM; Rauw WM; Thain D; Rink A; Beattie CW.
- 68** **Title of the work:** Relationship between feed intake during growth and lactation in a mouse model  
**Name of the conference:** Joint ADSA-ASAS Annual Meeting  
**City of event:** Indianapolis, United States of America  
**Date of event:** 2008  
Rauw WM; Hermes S; Bunter K; Gomez Raya L.



- 69** **Title of the work:** Sheep production on high desert rangelands and irrigated pasture. Multifunctional grasslands in a changing world  
**Name of the conference:** XXI International Grassland Congress and VIII International Rangeland Congress  
**City of event:** Hohhot, China  
**Date of event:** 2008  
Wuliji T; Glimp HA; Perryman B; Rauw WM; Filbin T.
- 70** **Title of the work:** Differential gene expression profiling of malignant melanoma in Sinclair swine  
**Name of the conference:** Joint ADSA-PSA-AMPA-ASAS Annual Meeting  
**City of event:** San Antonio, United States of America  
**Date of event:** 2007  
Okomo-Adhiambo MA; Rink A; Rauw WM; Beattie CW; Gomez Raya L.
- 71** **Title of the work:** Grazing efficiency in free range Merino sheep  
**Name of the conference:** Joint ADSA-PSA-AMPA-ASAS Annual Meeting  
**City of event:** San Antonio, United States of America  
**Date of event:** 2007  
Rauw WM; Glimp HA; Jesko W; Sandstrom M; Gomez-Raya L.
- 72** **Title of the work:** Interval mapping of deleterious recessive loci in half-sib families  
**Name of the conference:** Joint ADSA-PSA-AMPA-ASAS Annual Meeting  
**City of event:** San Antonio, United States of America  
**Date of event:** 2007  
Gomez Raya L; Rauw WM.
- 73** **Title of the work:** Introduction to Merino breeding resource flocks at Rafter 7 Ranch in Nevada  
**Name of the conference:** Joint ADSA-PSA-AMPA-ASAS Annual Meeting  
**City of event:** San Antonio, United States of America  
**Date of event:** 2007  
Wuliji T; Glimp HA; Jesko W; Filbin T; Rauw WM.
- 74** **Title of the work:** Physiological consequences of selection for increased performance  
**Name of the conference:** 17th Conference of the Association for the Advancement of Animal Breeding and Genetics  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Armidale, Australia  
**Date of event:** 2007  
Rauw WM.
- 75** **Title of the work:** Real-time PCR quantification of reproductive hormone receptor gene expression in superovulated MOET donor cows  
**Name of the conference:** Joint ADSA-PSA-AMPA-ASAS Annual Meeting  
**City of event:** San Antonio, United States of America  
**Date of event:** 2007  
Wise S; Okomo-Adhiambo MA; Joos D; Rauw WM; Rink A; Gomez Raya L.
- 76** **Title of the work:** Weaning weight and wool traits in a grade-up program of Rambouillet sheep with Australian Merino genetic  
**Name of the conference:** Joint ADSA-PSA-AMPA-ASAS Annual Meeting  
**City of event:** San Antonio, United States of America



**Date of event:** 2007

Rauw WM; Wuliji T; Glimp HA; Teglas M; Thain D; Jesko W; Filbin T; Gomez-Raya L.

**77 Title of the work:** New insights into grazing efficiency in range animals: examples from Rafter 7 Merino sheep

**Name of the conference:** 8th World Congress on Genetics Applied to Livestock Production

**City of event:** Belo Horizonte, Brazil

**Date of event:** 2006

Rauw WM; Glimp HA; Jesko W; Sandstrom M; Okomo M; Parryman B; Gomez Raya L.

**78 Title of the work:** QTL mapping strategies for adaptability of beef cattle to rangelands

**Name of the conference:** 8th World Congress on Genetics Applied to Livestock Production

**City of event:** Belo Horizonte, Brazil

**Date of event:** 2006

Gomez Raya L; Rauw WM.

**79 Title of the work:** Preliminary results on the relationship between cholesterol and triglyceride serum levels and body weight around weaning in pigs

**Name of the conference:** XII Reunión Nacional de Mejora Genética Animal

**City of event:** Arucas, Canary Islands, Spain

**Date of event:** 2004

Rauw WM; Portolés O; Soler J; Reixach J; Prat Cuffi JM; Isabel Diaz; Luis Gomez Raya.

**80 Title of the work:** Análisis Bayesiano de QTL relacionados con el olor sexual en la carne de porcino

**Name of the conference:** IV Reunión Sociedad Española de Genética

**City of event:** El Escorial, Spain

**Date of event:** 2003

Varona L; Vidal O; Gomez Raya L; Rauw WM; Gil M; Quintanilla R; Sánchez A; Foch JM; Amills M; Noguera JL.

**81 Title of the work:** Behavioural differences in lactating females in a long-term selection experiment for litter size in mice

**Name of the conference:** 54th Annual Meeting of the European Association of Animal Production

**City of event:** Rome, Italy

**Date of event:** 2003

Rauw WM.

**82 Title of the work:** Métodos de máxima verosimilitud para detectar el efecto de QTL sobre la varianza

**Name of the conference:** IV Reunión Sociedad Española de Genética

**City of event:** El Escorial, Spain

**Date of event:** 2003

Gomez Raya L; Vidal O; Varona L; Rauw WM; Quintanilla R; Sánchez A; Amills M; Foch JM; Noguera JL.

**83 Title of the work:** On the power of the detection of epistatic effects under a bidimensional genomewide threshold value

**Name of the conference:** 54th Annual Meeting of the European Association of Animal Production

**City of event:** Rome, Italy

**Date of event:** 2003

Varona L; Gomez Raya L; Rauw WM; Noguera JL.



- 84** **Title of the work:** Pleiotropia o ligamento. Factor de Bayes vs. mínimos cuadrados multivariantes  
**Name of the conference:** X Jornadas sobre Producción Animal. AIDA  
**City of event:** Zaragoza, Spain  
**Date of event:** 2003  
Varona L; Gomez Raya L; Rauw WM; Noguera JL.
- 85** **Title of the work:** A bayes factor approach to discriminate between linked or pleiotropic QTL  
**Name of the conference:** 7th World Congress on Genetics Applied to Livestock Production  
**City of event:** Montpellier, France  
**Date of event:** 2002  
Varona L; Gomez Raya L; Rauw WM; Clop A; Ovilo C; Noguera JL.
- 86** **Title of the work:** Body composition in lactating females in a long-term selection experiment for litter size in mice  
**Name of the conference:** 53th Annual Meeting of the European Association of Animal Production  
**City of event:** Cairo, Egypt  
**Date of event:** 2002  
Rauw WM; Knap PW; Gomez Raya L; Varona L; Noguera JL.
- 87** **Title of the work:** Cambios en la redistribución de recursos nutritivos debidos a la selección por tamaño de camada  
**Name of the conference:** XI National Reunion de Mejora Genética Animal  
**City of event:** Pamplona, Spain  
**Date of event:** 2002  
Rauw WM.
- 88** **Title of the work:** Differences in food efficiency using four terminal sire breeds  
**Name of the conference:** 53th Annual Meeting of the European Association of Animal Production  
**City of event:** Cairo, Egypt  
**Date of event:** 2002  
Rauw WM; Gomez Raya L; Varona L; Illán S; Noguera JL.
- 89** **Title of the work:** Does selection for high production affect protein turnover rate?  
**Name of the conference:** 7th World Congress on Genetics Applied to Livestock Production  
**City of event:** Montpellier, France  
**Date of event:** 2002  
Rauw WM; Knap PW; Varona L; Gomez Raya L; Noguera JL.
- 90** **Title of the work:** Maximum likelihood allows testing the effect of QTL alleles on variance  
**Name of the conference:** 7th World Congress on Genetics Applied to Livestock Production  
**City of event:** Montpellier, France  
**Date of event:** 2002  
Gomez Raya L; Varona L; Rauw WM; Vidal O; Noguera JL.
- 91** **Title of the work:** Maximum likelihood testing of the effect of QTL alleles on variance for normal and longitudinal traits  
**Name of the conference:** 53th Annual Meeting of the European Association of Animal Production  
**City of event:** Cairo, Egypt  
**Date of event:** 2002  
Gomez Raya L; Varona L; Rauw WM; Noguera JL.



- 92** **Title of the work:** Un modelo bayesiano para el análisis de eficiencia alimentaria  
**Name of the conference:** XI National Reunion de Mejora Genética Animal  
**City of event:** Pamplona, Spain  
**Date of event:** 2002  
Varona L; Rauw WM; Gomez Raya L; Noguera JL.
- 93** **Title of the work:** Value of prior information in the analysis of growth data  
**Name of the conference:** 53th Annual Meeting of the European Association of Animal Production  
**City of event:** Cairo, Egypt  
**Date of event:** 2002  
Varona L; Gomez Raya L; Rauw WM; Noguera JL.
- 94** **Title of the work:** Analysis de QTLs en caracteres longitudinales  
**Name of the conference:** IX Jornadas sobre Producción Animal. AIDA  
**City of event:** Zaragoza, Spain  
**Date of event:** 2001  
Varona L; Gomez Raya L; Rauw WM; Noguera JL.
- 95** **Title of the work:** Can F2 mapping experiments be used to detect epistatic interaction?  
**Name of the conference:** 7th Quantitative Trait Locus Mapping and Marker-Assisted Selection Workshop  
**City of event:** Valencia, Spain  
**Date of event:** 2001  
Varona L; Gomez Raya L; Rauw WM; Noguera JL.
- 96** **Title of the work:** Limites de la selección para una alta eficiencia productiva: cambios en los patrones de asignación de recursos alimentarios en la selección para una alta prolificidad  
**Name of the conference:** La Segunda Jornada sobre Eficiencia y Calidad en Porcino  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Vic, Spain  
**Date of event:** 2001  
Rauw WM.
- 97** **Title of the work:** QTL mapping using a Poisson model with an application to litter traits in swine  
**Name of the conference:** Plant and Animal Genome IX Conference  
**City of event:** San Diego, United States of America  
**Date of event:** 2001  
Gomez Raya L; Varona L; Rauw WM; Noguera JL.
- 98** **Title of the work:** Changes in food resource allocation patterns with selection for litter size  
**Name of the conference:** Seminar 2000, Universidad Politecnica Valencia  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Valencia, Spain  
**Date of event:** 2000  
Rauw WM.
- 99** **Title of the work:** Changes in food resource allocation patterns with selection for litter size  
**Name of the conference:** 51th Annual Meeting of the European Association of Animal Production  
**City of event:** Den Haag, Holland  
**Date of event:** 2000  
Rauw WM; Luiting P; Verstegen MWA; Knap PW.



- 100** **Title of the work:** Selection for litter size and its consequences for the allocation of feed resources – a concept and its implications illustrated by mice selection experiments  
**Name of the conference:** 50th Annual Meeting of the European Association of Animal Production  
**City of event:** Zurich, Switzerland  
**Date of event:** 1999  
Rauw WM; Luiting P; Beilharz RG; Verstegen MWA; Vangen O.
- 101** **Title of the work:** Biological limits to selection and animal welfare  
**Name of the conference:** 6th World Congress on Genetics Applied to Livestock Production  
**City of event:** Armidale, Australia  
**Date of event:** 1998  
Bakken M; Vangen O; Rauw WM.
- 102** **Title of the work:** Physiological consequences of selection for growth  
**Name of the conference:** 48th Annual Meeting of the European Association of Animal Production  
**City of event:** Vienna, Austria  
**Date of event:** 1997  
Luiting P; Vangen O; Rauw WM; Knap PW; Beilharz RG.
- 103** **Title of the work:** Undesirable side effects of selection for high production efficiency in farm animals  
**Name of the conference:** NJF Seminar on Reproduction, Stress and Welfare  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Oslo, Norway  
**Date of event:** 1997  
Rauw WM.
- 104** **Title of the work:** Connection between residual feed intake and the theories of Parks and Taylor in a long-term selection experiment for litter size in mice  
**Name of the conference:** 47th Annual Meeting of the European Association of Animal Production  
**City of event:** Lillehammer, Norway  
**Date of event:** 1996  
Rauw WM; Luiting P; Bakken M; Vangen O.
- 105** **Title of the work:** Behavioural differences in a long-term selection experiment for litter size in mice  
**Name of the conference:** 46th Annual Meeting of the European Association of Animal Production  
**City of event:** Prague, Czech Republic  
**Date of event:** 1995  
Luiting P; Bakken M; Rauw WM; De Veer CJM.
- 106** **Title of the work:** Rearing piglets in a poor environment: developmental aspects of social stress and coping strategies in pigs  
**Name of the conference:** 29th International Congress of the International Society for Applied Ethology  
**City of event:** United Kingdom  
**Date of event:** 1995  
De Jonge FH; Bokkers EAM; Schouten WGP; Rauw WM; Helmond FA.



## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

- 1** **Committee title:** Comité Científico de Asociación Interprofesional del Cerdo Ibérico  
**Affiliation entity:** Asociación Interprofesional del Cerdo Ibérico      **Type of entity:** Associations and Groups  
**City affiliation entity:** Spain  
**Start-End date:** 2022 - 2023
- 2** **Committee title:** Chairman of the World Congress on Genetics Applied to Livestock Production, Session on Resource allocation and genetics of feed intake and efficiency, Rotterdam, The Netherlands  
**Start-End date:** 2022 - 2022
- 3** **Committee title:** Opponent to PhD dissertation Alper Tuna Kavlak  
**Affiliation entity:** Faculty of Agriculture and Forestry at the University of Helsinki  
**City affiliation entity:** Helsinki, Finland  
**Start-End date:** 2022 - 2022
- 4** **Committee title:** Committee member of PhD Evaluation of the welfare and reproductive biology of captive tiger using non-invasive techniques: Behaviour and hormone monitoring, J. Scherpenhuizen  
**Affiliation entity:** Charles Sturt University  
**City affiliation entity:** North Wagga Wagga, New South Wales, Australia  
**Start-End date:** 2021 - 2021
- 5** **Committee title:** Scientific Advisory board for Foods of Norway, Center for Research-Based Innovation  
**Affiliation entity:** Norwegian University of Life Sciences (NMBU)      **Type of entity:** R&D Centre  
**City affiliation entity:** Aas, Norway  
**Start-End date:** 2016 - 2017
- 6** **Committee title:** Deputy Section Editor to the Physiology and Functional Biology of Systems section of Animal  
**Start-End date:** 2011 - 2017
- 7** **Committee title:** Committee member of MSc Associations of cardiovascular function and structure with feed efficiency in beef cattle, J.C. Munro  
**Affiliation entity:** Dalhousie University  
**City affiliation entity:** Halifax, Nova Scotia, Canada  
**Start-End date:** 2016 - 2016
- 8** **Committee title:** Committee member (president) of PhD Environment and genetic factors driving robustness in reproductive rabbit does, D. Saviotto  
**Affiliation entity:** Universitat Politècnica de València  
**City affiliation entity:** Valencia, Spain  
**Start-End date:** 2014 - 2014





- 9** **Committee title:** Committee member of PhD Towards resilient livestock systems: a resource allocation approach to combine selection and management within the herd environment, F. Douhard  
**Affiliation entity:** L'Institute des Sciences et Industries du Vivant et de l'Environnement  
**City affiliation entity:** Paris, France  
**Start-End date:** 2013 - 2013
- 10** **Committee title:** Committee member of MSc Application of bovine rapid pregnancy test kit for the early pregnancy diagnosis in ewes in comparison with progesterone and pregnancy-specific protein B assays, W. Chen  
**Affiliation entity:** University of Nevada, Reno - Dept of Animal Botechnology  
**City affiliation entity:** Reno, United States of America  
**Start-End date:** 2010 - 2010
- 11** **Committee title:** Committee member of MSc Environmental manipulations for captive Lahontan Cutthroat Trout increase hatchery egg survival and survival of yearlings stocked in saline, alkaline Walker Lake, Nevada, J.P. Bigelow  
**Affiliation entity:** University of Nevada, Reno - Dept of Animal Botechnology  
**City affiliation entity:** Reno, United States of America  
**Start-End date:** 2010 - 2010
- 12** **Committee title:** Committee member of MSc Selective genotyping using genome wide association studies for mapping loci associated to fiber diameter in Merino sheep, M. Goher  
**Affiliation entity:** University of Nevada, Reno - Dept of Animal Botechnology  
**City affiliation entity:** Reno, United States of America  
**Start-End date:** 2010 - 2010
- 13** **Committee title:** Committee member of MSc The effect of poly-L-lysine as a new cryoprotectant for ovine, N. Li  
**Affiliation entity:** University of Nevada, Reno - Dept of Animal Botechnology  
**City affiliation entity:** Reno, United States of America  
**Start-End date:** 2010 - 2010
- 14** **Committee title:** Chairman of the XI Reunion Nacional de Mejora Genetica Animal, Session on animal welfare and genetics, Pamplona, Spain  
**Start-End date:** 2002 - 2002

## Other achievements

### Stays in public or private R&D centres

- 1** **Entity:** Iowa State University **Type of entity:** University  
**City of entity:** Ames, Iowa, United States of America  
**Start-End date:** 03/09/2016 - 20/07/2017 **Duration:** 10 months  
**Funding entity:** Subprogram Estatal de Movilidad, Salvador de Madariaga, Ministerio de Educación, Cultura y Deporte  
**Goals of the stay:** Sabbatical, Subprogram Estatal de Movilidad Salvador de Madariaga
- 2** **Entity:** Agricultural University of Norway **Type of entity:** University Research Institute  
**Faculty, institute or centre:** Department of Animal Science  
**City of entity:** Ås, Norway



**Start-End date:** 1997 - 2000  
**Goals of the stay:** Doctorate

**Duration:** 3 years

**3 Entity:** The Roslin Institute  
**City of entity:** Edinburgh, United Kingdom  
**Start date:** 2012  
**Goals of the stay:** Cooperation

**Duration:** 7 days

**4 Entity:** Instituto Nacional de Investigación y Tecnología Agraria y Alimentaria (INIA)  
**Faculty, institute or centre:** Dept. Mejora Genética y Biotecnología  
**City of entity:** Madrid, Spain  
**Start date:** 2000  
**Goals of the stay:** Doctorate

**Type of entity:** R&D Centre

**Duration:** 2 months

**5 Entity:** Institute of Land and Food Resources  
**Faculty, institute or centre:** Department of Animal Production  
**City of entity:** Melbourne, Australia  
**Start date:** 1997  
**Goals of the stay:** Doctorate

**Type of entity:** University Research Institute

**Duration:** 3 months

**6 Entity:** Wageningen University  
**Faculty, institute or centre:** Animal Breeding and Genetics Group  
**City of entity:** Wageningen, Holland  
**Start date:** 1996  
**Goals of the stay:** Contract

**Type of entity:** University Research Institute

**Duration:** 3 months

**7 Entity:** Agricultural University of Norway  
**Faculty, institute or centre:** Department of Animal Science  
**City of entity:** Ås, Norway  
**Start date:** 1996  
**Goals of the stay:** Laboratory technician

**Type of entity:** University Research Institute

**Duration:** 12 months

**8 Entity:** Agricultural University of Norway  
**City of entity:** Ås, Norway  
**Start date:** 1995  
**Goals of the stay:** MSc Thesis

**Type of entity:** University Research Institute

**Duration:** 9 months

**9 Entity:** Scottish Agricultural College, Genetics and Behavioural Department  
**City of entity:** Edinburgh, United Kingdom  
**Start date:** 1995  
**Goals of the stay:** MSc Practical Period

**Type of entity:** University Research Institute

**Duration:** 3 months



## Obtained grants and scholarships

- 1** **Name of the grant:** Subprogram Estatal de Movilidad, Salvador de Madariaga  
**Aims:** Sabatical  
**Awarding entity:** Ministerio de Educación, Cultura y Deporte, Spain  
**Conferral date:** 01/09/2016 **Duration:** 10 months  
**End date:** 30/06/2017  
**Entity where activity was carried out:** Iowa State University, Ames, Iowa, USA
- 2** **Name of the grant:** Special 1999 scholarship for young scientists, European Association of Animal Production  
**Aims:** Pre-doctoral  
**Awarding entity:** EAAP  
**Conferral date:** 1999  
**Entity where activity was carried out:** Agricultural University of Norway