



**Ana M<sup>a</sup> Coto Montes**

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## 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.

3 sexenios de investigación reconocidos, cuarto solicitado en Diciembre de 2018; Índice h: 33; Citas totales: 12114; Índice i10: 78.

9 tesis dirigidas; 96 artículos reconocidos en Pubmed. Investigadora Principal de 17 proyectos obtenidos en concurrencia competitiva.

Coordinadora del consorcio cROS. Team Leader del grupo de excelencia de la Universidad de Oviedo, del grupo consolidado del Instituto Carlos III y del grupo consolidado del mismo nombre dentro del Instituto de Investigación Sanitaria del Principado de Asturias (ISPA).

Obtuvo en el año 2000 el Premio "Grande Covian" que la Fundación Premios Príncipe de Asturias otorgaba a Jóvenes Investigadores y en el año 2010 el Segundo Premio en los XIII Premios Nacionales de Medicina del deporte.

Asesora de la UE en materia de envejecimiento dentro del programa EIP-AHA. Fue seleccionada en concurrencia competitiva como experta en envejecimiento de la plataforma ciudadana Ciencia en el Parlamento en la que participo desde sus inicios. Como miembro de dicha plataforma recibió el premio a las Mejores Ideas 2018 otorgado por el Diario Medico.

Evaluadora habitual de becas FPU, MINECO, así como de proyectos de la Junta de Extremadura, de la Junta de Andalucía y de las Islas Baleares. Ha sido evaluadora de proyectos Explora, Salvador de Madariaga (coordinadora del área de Tecnología de Alimentos) y Castillejos. Ha sido evaluadora ACREDITA de cuatro grados y dos másteres para la agencia AQUIB de las Islas Baleares. En evaluaciones internacionales, es evaluadora habitual desde hace dos años de los proyectos nacionales de Rumania (uefiscdi).

Ha trabajado en periodos de mas de seis meses como investigadora en Dinamarca, Alemania y Estados Unidos.

Es presidenta de la empresa con base tecnológica Muscle Technology SL creada en el mes de Julio de 2017 y reconocida como spin-off por la Universidad de Oviedo en Mayo de 2019.

## Ana M<sup>a</sup> Coto Montes

Surname(s): **Coto Montes**  
Name: **Ana M<sup>a</sup>**  
ORCID: **0000-0002-6609-6258**  
ScopusID: **6602549202**  
ResearcherID: **D-2544-2016**

### Current professional situation

**Employing entity:** Universidad de Oviedo      **Type of entity:** University  
**Department:** Department of Morphology and Cell Biology, Faculty of Medicine  
**Professional category:** Full Professor  
**Start date:** 17/07/2019

**Type of contract:** Civil servant      **Dedication regime:** Full time

**Primary (UNESCO code):** 240700 - Cell biology; 320000 - Medical Science

**Secondary (UNESCO code):** 240000 - Life Science

**Performed tasks:** I am Cell Biology lecturer in Biology degree. I lead research team cellular Response to Oxidative Stress (cROS). I am also convener of a consortium with the same name, resulting from the association of three different research groups, which ensures relevant transfer of findings

### Previous positions and activities

	Employing entity	Professional category	Start date
1	Universidad de Oviedo	Assistant Professor	15/11/2006
2	Universidad de Oviedo	Researcher Contract	15/11/2001
3	Universidad de Oviedo	Lecturer	01/11/2000
4	Universidad de Oviedo	Research fellow	03/05/1999
5	Universidad de Göttingen. Alemania	Visiting researcher	12/1998
6	Universidad de Göttingen. Alemania	Contrato "Marie Curie" (Unión Europea)	01/12/1996
7	University of Cantabria	Postdoctoral PFPI (Ministerio de Educación y Ciencia)	01/06/1994

**1** **Employing entity:** Universidad de Oviedo      **Type of entity:** University  
**Professional category:** Assistant Professor  
**Start-End date:** 15/11/2006 - 28/04/2009      **Duration:** 2 years - 6 months

**2** **Employing entity:** Universidad de Oviedo      **Type of entity:** University  
**Professional category:** Researcher Contract  
**Start-End date:** 15/11/2001 - 14/11/2006      **Duration:** 5 years

**3** **Employing entity:** Universidad de Oviedo      **Type of entity:** University  
**Professional category:** Lecturer  
**Start-End date:** 01/11/2000 - 21/12/2000      **Duration:** 1 month



- 4** **Employing entity:** Universidad de Oviedo  
**Professional category:** Research fellow  
**Start-End date:** 03/05/1999 - 30/09/2000  
**Type of entity:** University  
**Duration:** 1 year - 4 months
- 5** **Employing entity:** Universidad de Göttingen.  
Alemania  
**Professional category:** Visiting researcher  
**Start-End date:** 12/1998 - 04/1999  
**Type of entity:** University  
**Duration:** 4 months
- 6** **Employing entity:** Universidad de Göttingen.  
Alemania  
**Professional category:** Contrato "Marie Curie" (Unión Europea)  
**Start-End date:** 01/12/1996 - 30/11/1998  
**Type of entity:** University  
**Duration:** 24 months
- 7** **Employing entity:** University of Cantabria  
**Professional category:** Postdoctoral PFPI (Ministerio de Educación y Ciencia)  
**Start-End date:** 01/06/1994 - 30/11/1996



## Education

### University education

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

**University degree:** Higher degree

**Name of qualification:** Degree in Biology

**Degree awarding entity:** Universidad de Oviedo

**Type of entity:** University

**Date of qualification:** 06/09/1990

### Doctorates

**Doctorate programme:** Cell Biology doctoral programme

**Degree awarding entity:** Universidad de Oviedo

**Type of entity:** University

**Date of degree:** 03/03/1995

**DEA awarding entity:** Universidad de Oviedo

**Date DEA was awarded:** 1993

**Thesis title:** Estudio de la regulación androgénica de la glándula de Harder

**Thesis director:** Armando Menendez Pelaez

**Thesis co-director:** Delio Tolivia Fernandez

**Obtained qualification:** Sobresaliente cum laude

### Attended advanced, improvement and innovative teacher training and new technology courses and seminars focused on improving teaching

- Title of course/seminar:** Buscando información y construyendo la Identidad digital científica de un autor con Google Scholar y las redes sociales académicas

**Organising entity:** Instituto de Ciencias de la Educación de la Universidad de Oviedo

**Duration in hours:** 15 hours

**Start-End date:** 25/02/2016 - 26/02/2016
- Title of course/seminar:** On line teaching resources: Sharing documents, applications, exams and multiteleconferencing

**Organising entity:** Universidad de León

**Faculty, institute or centre:** Training College

**Duration in hours:** 10 hours

**Start-End date:** 12/06/2014 - 20/06/2014

**Type of entity:** University
- Title of course/seminar:** Good practices with handicapped students

**Goals of the course/seminar:** Strategies with disabled persons

**Organising entity:** Institute of Education Sciences

**Duration in hours:** 12 hours

**Start-End date:** 26/05/2010 - 28/05/2010



- 4** **Title of course/seminar:** New teaching systems by Information and Communication Technologies  
**Organising entity:** Institute of Education Sciences **Type of entity:** University Research Institute  
**Duration in hours:** 20 hours  
**Start-End date:** 18/06/2007 - 20/06/2007
- 5** **Title of course/seminar:** Advances in Tumoral Biology: International Symposium  
**Organising entity:** Universidad de Oviedo **Type of entity:** University  
**Duration in hours:** 20 hours  
**Start-End date:** 06/11/2002 - 08/11/2002
- 6** **Title of course/seminar:** Melatonin: mechanisms and therapeutic implications  
**Organising entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Medicine Faculty  
**Duration in hours:** 18 hours  
**Start-End date:** 15/12/1994 - 16/12/1994
- 7** **Title of course/seminar:** Seminario avanzado sobre porfirinas experimentales  
**Organising entity:** Universidad de Oviedo **Type of entity:** University  
**Duration in hours:** 10 hours  
**Start-End date:** 04/11/1993 - 05/11/1993
- 8** **Title of course/seminar:** I Simposio Internacional de la Fundación Ramón Areces en la Década del Cerebro  
**Organising entity:** Fundación Ramón Areces **Type of entity:** Foundation  
**Duration in hours:** 15 hours  
**Start-End date:** 08/11/1990 - 10/11/1990
- 9** **Title of course/seminar:** Los problemas de la alimentación humana  
**Organising entity:** Universidad Internacional Menéndez Pelayo **Type of entity:** University  
**Duration in hours:** 15 hours  
**Start-End date:** 24/07/1989 - 29/07/1989
- 10** **Title of course/seminar:** Analisis Transicional  
**Organising entity:** Instituto Superior de Ciencias Psicocorporales  
**Duration in hours:** 120 hours  
**Start-End date:** 01/05/1988 - 28/06/1988

## Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
German	A2	A1	A2	A1	A1
French	B1	B1	A2	A2	A2
English	C1	C1	C1	C1	C1



## Teaching experience

### General teaching experience

- 1** **Type of teaching:** Official teaching  
**Name of the course:** Cell Biology and Histology  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Physiotherapy Degree  
**Start date:** 2018  
**End date:** 2019  
**Hours/ECTS credits:** 23  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Physiotherapy Faculty

**Type of teaching:** Practical work (classroom-problems)  
**Type of call:** Competitive

**End date:** 2019  
**Type of hours/ ECTS credits:** Hours

**Type of entity:** University
- 2** **Type of teaching:** Official teaching  
**Name of the course:** Cell Biology and Histology  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Nursing Degree  
**Start date:** 2018  
**End date:** 2019  
**Hours/ECTS credits:** 31  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Physiotherapy Faculty

**Type of teaching:** Practical work (classroom-problems)  
**Type of call:** Competitive

**End date:** 2019  
**Type of hours/ ECTS credits:** Hours

**Type of entity:** University
- 3** **Type of teaching:** Official teaching  
**Name of the course:** Cell Biology and Histology  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Nursing Degree  
**Start date:** 2018  
**End date:** 2019  
**Hours/ECTS credits:** 35  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Physiotherapy Faculty

**Type of teaching:** In person theory  
**Type of call:** Competitive

**End date:** 2019  
**Type of hours/ ECTS credits:** Hours

**Type of entity:** University
- 4** **Type of teaching:** Official teaching  
**Name of the course:** Cell Biology and Histology  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Physiotherapy Degree  
**Start date:** 2018  
**End date:** 2019  
**Hours/ECTS credits:** 35  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Physiotherapy Faculty

**Type of teaching:** In person theory  
**Type of call:** Competitive

**End date:** 2019  
**Type of hours/ ECTS credits:** Hours

**Type of entity:** University





- 5** **Type of teaching:** Official teaching  
**Name of the course:** Daños Neuronales por Infecciones Víricas y Bacteriológicas  
**Type of programme:** Master's degree **Type of teaching:** Practical work (classroom-problems)  
**Assessment type:** Internal assessment  
**University degree:** Máster en Neurociencias  
**Start date:** 2018 **End date:** 2019  
**End date:** 2019 **Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 2,5  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Assessment type:** Internal assessment
- 6** **Type of teaching:** Official teaching  
**Name of the course:** Daños Neuronales por Infecciones Víricas y Bacteriológicas  
**Type of programme:** Master's degree **Type of teaching:** In person theory  
**Assessment type:** Internal assessment  
**University degree:** Máster en Neurociencias  
**Start date:** 2018 **End date:** 2019  
**End date:** 2019 **Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 8  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Assessment type:** Internal assessment
- 7** **Type of teaching:** Official teaching  
**Name of the course:** Daño Neuronales por Infecciones Víricas y Bacteriológicas  
**Type of programme:** Master's degree **Type of teaching:** Laboratory work  
**Assessment type:** Internal assessment  
**University degree:** Máster en Neurociencias  
**Start date:** 2017 **End date:** 2018  
**End date:** 2018 **Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 1,5  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Assessment type:** Internal assessment
- 8** **Type of teaching:** Official teaching  
**Name of the course:** Daño Neuronales por Infecciones Víricas y Bacteriológicas  
**Type of programme:** Master's degree **Type of teaching:** In person theory  
**Assessment type:** Internal assessment  
**University degree:** Máster en Neurociencias  
**Start date:** 2017 **End date:** 2018  
**End date:** 2018 **Type of hours/ ECTS credits:** Hours  
**Hours/ECTS credits:** 8  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Assessment type:** Internal assessment
- 9** **Name of the course:** Cell Biology and Histology  
**Type of programme:** Bachelor's degree **Type of teaching:** Laboratory work  
**Type of subject:** Obligatory **Type of call:** Competitive  
**Assessment type:** Internal assessment  
**University degree:** Biology degree  
**Geographical area:** National





**Course given:** first course of Biology degree

**Start date:** 2017

**End date:** 2018

**Hours/ECTS credits:** 32

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Biology Faculty

**City of entity:** Oviedo, Principality of Asturias, Spain

**Assessment type:** Internal assessment

**City funding entity:** Spain

**Subject language:** Spanish

**End date:** 2018

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**10 Name of the course:** Cell Biology and Histology

**Type of programme:** Bachelor's degree

**Type of subject:** Obligatory

**Assessment type:** Internal assessment

**University degree:** Biology degree

**Geographical area:** National

**Course given:** first course of Biology degree

**Start date:** 2017

**End date:** 2018

**Hours/ECTS credits:** 14

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Biology Faculty

**City of entity:** Oviedo, Principality of Asturias, Spain

**Assessment type:** Internal assessment

**City funding entity:** Spain

**Subject language:** Spanish

**Type of teaching:** Practical work (classroom-problems)

**Type of call:** Competitive

**End date:** 2018

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**11 Name of the course:** Cell Biology and Histology

**Type of programme:** Bachelor's degree

**Type of subject:** Obligatory

**Assessment type:** Internal assessment

**University degree:** Biology degree

**Geographical area:** National

**Course given:** first course of Biology degree

**Start date:** 2017

**End date:** 2018

**Hours/ECTS credits:** 70

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Biology Faculty

**City of entity:** Oviedo, Principality of Asturias, Spain

**Assessment type:** Internal assessment

**City funding entity:** Spain

**Subject language:** Spanish

**Type of teaching:** In person theory

**Type of call:** Competitive

**End date:** 2018

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**12 Name of the course:** Cell Biology and Histology

**Type of programme:** Bachelor's degree

**Type of subject:** Obligatory

**Assessment type:** Internal assessment

**University degree:** Biology degree

**Geographical area:** National

**Type of teaching:** Tutorías Grupales

**Type of call:** Competitive



**Course given:** first course of Biology degree

**Start date:** 2017

**End date:** 2018

**Hours/ECTS credits:** 14

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Biology Faculty

**City of entity:** Oviedo, Principality of Asturias, Spain

**Assessment type:** Internal assessment

**City funding entity:** Spain

**Subject language:** Spanish

**End date:** 2018

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**13 Name of the course:** Cell Biology and Histology

**Type of programme:** Bachelor's degree

**Type of subject:** Obligatory

**Assessment type:** Internal assessment

**University degree:** Biology degree

**Geographical area:** National

**Course given:** first course of Biology degree

**Start date:** 2016

**End date:** 2017

**Hours/ECTS credits:** 150

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Biology Faculty

**City of entity:** Oviedo, Principality of Asturias, Spain

**Assessment type:** Internal assessment

**City funding entity:** Spain

**Subject language:** Spanish

**Type of teaching:** In person theory

**Type of call:** Competitive

**End date:** 2017

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**14 Name of the course:** The Cell: Life lead

**University degree:** University Programme for Elderly

**Start date:** 2016

**End date:** 2017

**Entity:** Universidad de Oviedo

**End date:** 2017

**Type of entity:** University

**15 Type of teaching:** Official teaching

**Name of the course:** Cell Biology & Histology

**Type of programme:** Bachelor's degree

**Type of subject:** Obligatory

**University degree:** Biology degree

**Start date:** 2015

**End date:** 2016

**Hours/ECTS credits:** 160

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Facultad de Biología

**Department:** Morphology and Cell Biology

**City of entity:** Oviedo, Principality of Asturias, Spain

**Type of teaching:** In person theory

**End date:** 2016

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**16 Name of the course:** The cell: Life lead

**Type of teaching:** In person theory

**University degree:** University Programme for Elderly

**Start date:** 2015

**End date:** 2016

**End date:** 2016**Hours/ECTS credits:** 15**Entity:** Universidad de Oviedo**Type of hours/ ECTS credits:** Credits**Type of entity:** University**17 Name of the course:** Why are we aging?: Guidelines on how getting healthy aging**Type of teaching:** In person theory**University degree:** University Programme for elderly**Start date:** 2015**End date:** 2016**Hours/ECTS credits:** 8**Entity:** Universidad de Oviedo**End date:** 2016**Type of hours/ ECTS credits:** Credits**Type of entity:** University**18 Type of teaching:** Official teaching**Name of the course:** Cell Biology & Histology**Type of programme:** Bachelor's degree**Type of subject:** Obligatory**University degree:** Biology degree**Geographical area:** European Union**Start date:** 2014**End date:** 2015**Hours/ECTS credits:** 160**Entity:** Universidad de Oviedo**Faculty, institute or centre:** Biology faculty**Department:** Morphology and Cell Biology**City of entity:** Oviedo, Principality of Asturias, Spain**City assessment entity:** Oviedo, Principality of Asturias, Spain**Type of teaching:** In person theory**Type of call:** Competitive**End date:** 2015**Type of hours/ ECTS credits:** Hours**Type of entity:** University**19 Name of the course:** Effects of oxidative stress in short-life animals with accelerated aging**University degree:** Máster in Aging & Frailty**Start date:** 2014**End date:** 2015**Entity:** National University of Distance Education**Faculty, institute or centre:** Psicology Faculty**End date:** 2015**Type of entity:** University**20 Name of the course:** The Cell: Life lead**Type of teaching:** In person theory**University degree:** University Programme of Elderly**Start date:** 2014**End date:** 2015**Entity:** Universidad de Oviedo**End date:** 2015**Type of entity:** University**21 Name of the course:** Why are we aging?: Guidelines on how getting healthy aging**Type of teaching:** In person theory**University degree:** University Programme for Elderly**Start date:** 2014**End date:** 2015**Entity:** Universidad de Oviedo**End date:** 2015**Type of entity:** University**22 Name of the course:** Cell Biology & Histology**Type of teaching:** In person theory**University degree:** Biology degree



**Start date:** 2013

**End date:** 2014

**Hours/ECTS credits:** 112

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Biology Faculty

**End date:** 2014

**Type of hours/ ECTS credits:** Credits

**Type of entity:** University

**23 Name of the course:** Effects of oxidative stress in short-life animals with accelerated aging

**University degree:** Máster in Aging & Frailty

**Start date:** 2013

**End date:** 2014

**Entity:** National University of Distance Education

**End date:** 2014

**Type of entity:** University

**24 Name of the course:** The Cell: Life lead

**Type of teaching:** In person theory

**University degree:** University Programme for Elderly

**Start date:** 2013

**End date:** 2014

**Entity:** Universidad de Oviedo

**End date:** 2014

**Type of entity:** University

**25 Name of the course:** Cell Biology & Histology

**Type of teaching:** In person theory

**University degree:** Biology Degree

**Start date:** 2012

**End date:** 2013

**Hours/ECTS credits:** 128

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Biology Faculty

**End date:** 2013

**Type of hours/ ECTS credits:** Credits

**Type of entity:** University

**26 Name of the course:** Cell Biology & Human Histology

**Type of teaching:** In person theory

**University degree:** Dentistry Degree

**Start date:** 2012

**End date:** 2013

**Hours/ECTS credits:** 50

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Dentistry faculty

**End date:** 2013

**Type of hours/ ECTS credits:** Credits

**Type of entity:** University

**27 Name of the course:** Effects of oxidative stress in short-life animals with accelerated aging

**University degree:** Master in Aging & Frailty

**Start date:** 2012

**End date:** 2013

**Entity:** National University of Distance Education

**End date:** 2013

**Type of entity:** University

**28 Name of the course:** The Cell: Life lead

**Type of teaching:** In person theory

**University degree:** University Programme for Elderly

**Start date:** 2012

**End date:** 2013

**Entity:** Universidad de Oviedo

**End date:** 2013

**Type of entity:** University



- 29** **Name of the course:** Cell Biology  
**Type of teaching:** In person theory  
**University degree:** Biochemistry Degree  
**Start date:** 2011  
**End date:** 2012  
**Hours/ECTS credits:** 58  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Biochemistry Faculty
- End date:** 2012  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University
- 30** **Name of the course:** Cell Biology & Histology  
**Type of teaching:** In person theory  
**University degree:** Biology degree  
**Start date:** 2011  
**End date:** 2012  
**Hours/ECTS credits:** 68,5  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Biology faculty
- End date:** 2012  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University
- 31** **Name of the course:** Effects of oxidative stress in short-life animals with accelerated aging  
**University degree:** Master in Aging & Frailty  
**Start date:** 2011  
**End date:** 2012  
**Entity:** National University of Distance Education
- End date:** 2012  
**Type of entity:** University
- 32** **Name of the course:** The cell: Life lead  
**Type of teaching:** In person theory  
**University degree:** University Programme for Elderly  
**Start date:** 2011  
**End date:** 2012  
**Entity:** Universidad de Oviedo
- End date:** 2012  
**Type of entity:** University
- 33** **Type of teaching:** Unofficial teaching  
**Name of the course:** The Cell: The life Lead  
**Type of programme:** Programme for Elderly  
**Type of subject:** Obligatory  
**University degree:** University Programme for Elderly  
**Start date:** 2010  
**End date:** 2011  
**Hours/ECTS credits:** 7  
**Entity:** Universidad de Oviedo
- Type of teaching:** In person theory  
**Type of call:** Competitive  
**End date:** 2011  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University
- 34** **Type of teaching:** Official teaching  
**Name of the course:** Biological picture Techniques  
**Type of programme:** Doctorate  
**Type of subject:** Doctorate  
**University degree:** Master in Experimental Techniques in management of biological resources  
**Start date:** 2010  
**End date:** 2011  
**Hours/ECTS credits:** 4  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Departamento de Biología de Organismos y Sistemas
- Type of teaching:** In person theory  
**Type of call:** Competitive  
**End date:** 2011  
**Type of hours/ ECTS credits:** Hours  
**Type of entity:** University



- 35** **Type of teaching:** Official teaching  
**Name of the course:** Biology  
**Type of programme:** Bachelor's degree  
**Type of call:** Competitive  
**University degree:** Chemistry degree  
**Start date:** 2010  
**End date:** 2011  
**Hours/ECTS credits:** 86,5  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Chemistry faculty
- Type of teaching:** In person theory  
**End date:** 2011  
**Type of hours/ ECTS credits:** Hours  
**Type of entity:** University
- 36** **Type of teaching:** Official teaching  
**Name of the course:** Oxidative Stress in Nervous System  
**Type of teaching:** Practical work (classroom-problems)  
**Type of subject:** Doctorate  
**University degree:** Master in Neuroscience Research  
**Start date:** 2010  
**End date:** 2011  
**Hours/ECTS credits:** 6  
**Entity:** Universidad de Oviedo
- Type of call:** Competitive  
**End date:** 2011  
**Type of hours/ ECTS credits:** Hours  
**Type of entity:** University
- 37** **Type of teaching:** Official teaching  
**Name of the course:** Oxidative stress in Nervous System  
**Type of programme:** Doctorate  
**Type of subject:** Doctorate  
**University degree:** Master in Neuroscience Research  
**Start date:** 2010  
**End date:** 2011  
**Hours/ECTS credits:** 8  
**Entity:** Oviedo University
- Type of teaching:** In person theory  
**Type of call:** Competitive  
**End date:** 2011  
**Type of hours/ ECTS credits:** Hours
- 38** **Name of the course:** Cell Biology & Histology  
**Type of teaching:** In person theory  
**University degree:** Biology degree  
**Start date:** 2010  
**End date:** 2011  
**Hours/ECTS credits:** 125  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Biology Faculty
- End date:** 2011  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University
- 39** **Type of teaching:** Official teaching  
**Name of the course:** Biological picture Techniques  
**Type of programme:** Doctorate  
**Type of subject:** Doctorate  
**University degree:** Master in Experimental Techniques in management of biological resources  
**Start date:** 2009  
**End date:** 2010  
**Hours/ECTS credits:** 6  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Systems and organisms biology
- Type of teaching:** Practical work (classroom-problems)  
**Type of call:** Competitive  
**End date:** 2010  
**Type of hours/ ECTS credits:** Hours  
**Type of entity:** University





- 40** **Type of teaching:** Official teaching  
**Name of the course:** Oxidative stress in Nervous system  
**Type of programme:** Doctorate  
**Type of subject:** Doctorate  
**University degree:** Master in Neuroscience Research  
**Start date:** 2009  
**End date:** 2010  
**Hours/ECTS credits:** 11  
**Entity:** Universidad de Oviedo
- Type of teaching:** Practical work (classroom-problems)  
**Type of call:** Competitive  
**End date:** 2010  
**Type of hours/ ECTS credits:** Hours  
**Type of entity:** University
- 41** **Type of teaching:** Official teaching  
**Name of the course:** Cell Biology and Histology  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Biology Degree  
**Start date:** 2009  
**End date:** 2010  
**Hours/ECTS credits:** 135  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Biology Faculty
- Type of teaching:** In person theory  
**Type of call:** Competitive  
**End date:** 2010  
**Type of hours/ ECTS credits:** Hours  
**Type of entity:** University
- 42** **Type of teaching:** Official teaching  
**Name of the course:** Cell Biology and Histology  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Nursing Degree  
**Start date:** 2009  
**End date:** 2010  
**Hours/ECTS credits:** 86  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Nursing Faculty
- Type of teaching:** In person theory  
**Type of call:** Competitive  
**End date:** 2010  
**Type of hours/ ECTS credits:** Hours  
**Type of entity:** University
- 43** **Type of teaching:** Official teaching  
**Name of the course:** Cell Biology and Histology  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Physiotherapy Degree  
**Start date:** 2009  
**End date:** 2010  
**Hours/ECTS credits:** 88  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Physiotherapy Faculty
- Type of teaching:** In person theory  
**Type of call:** Competitive  
**End date:** 2010  
**Type of hours/ ECTS credits:** Hours  
**Type of entity:** University
- 44** **Type of teaching:** Official teaching  
**Name of the course:** Oxidative Stress: Free Radical Productionproducción de radicales libres en el campo de Neurociencias  
**Type of programme:** Doctorate  
**Type of subject:** Doctorate  
**University degree:** Doctorate Programme: Neuroscience  
**Start date:** 2008
- Type of teaching:** In person theory  
**Type of call:** Competitive  
**End date:** 2009





**End date:** 2009

**Hours/ECTS credits:** 20

**Entity:** Universidad de Oviedo

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**45** **Type of teaching:** Official teaching

**Name of the course:** Comparative animal Organography

**Type of programme:** Bachelor's degree

**Type of subject:** Obligatory

**University degree:** Biology Degree

**Start date:** 2008

**End date:** 2009

**Hours/ECTS credits:** 100

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Biology Faculty

**Type of teaching:** Practical work (classroom-problems)

**Type of call:** Competitive

**End date:** 2009

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**46** **Type of teaching:** Official teaching

**Name of the course:** Biological picture techniques

**Type of programme:** Doctorate

**Type of subject:** Doctorate

**University degree:** Master in Experimental Techniques in management of biological resources

**Start date:** 2007

**End date:** 2008

**Hours/ECTS credits:** 9,5

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Departamento de Biología de Organismos y Sistemas

**Type of teaching:** In person theory

**Type of call:** Competitive

**End date:** 2008

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**47** **Type of teaching:** Official teaching

**Name of the course:** Functional genomics and production process involvement

**Type of programme:** Doctorate

**Type of subject:** Doctorate

**University degree:** Master in Experimental Techniques in management of biological resources

**Start date:** 2007

**End date:** 2008

**Hours/ECTS credits:** 1

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Systems and organisms biology department

**Type of teaching:** In person theory

**Type of call:** Competitive

**End date:** 2008

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**48** **Type of teaching:** Official teaching

**Name of the course:** Oxidative stress and free radical production in Nuroscience

**Type of programme:** Doctorate

**Type of subject:** Doctorate

**University degree:** Doctorate Programme: Neuroscience

**Start date:** 2007

**End date:** 2008

**Hours/ECTS credits:** 15

**Entity:** Universidad de Oviedo

**Type of teaching:** In person theory

**Type of call:** Competitive

**End date:** 2008

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**49** **Type of teaching:** Official teaching

**Name of the course:** Animal and plant Cytology and Histology

**Type of programme:** Bachelor's degree

**Type of subject:** Obligatory

**Type of teaching:** Practical work (classroom-problems)

**Type of call:** Competitive



**University degree:** Biology Degree

**Start date:** 2007

**End date:** 2008

**Hours/ECTS credits:** 4

**Entity:** Universidad de Oviedo

**Faculty, institute or centre:** Biology Faculty

**End date:** 2008

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**50** **Type of teaching:** Official teaching  
**Name of the course:** Comparative animal organography  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Biology Degree  
**Start date:** 2007  
**End date:** 2008  
**Hours/ECTS credits:** 57  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Biology Faculty

**Type of teaching:** Practical work (classroom-problems)

**Type of call:** Competitive

**End date:** 2008

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**51** **Type of teaching:** Official teaching  
**Name of the course:** Discussions in Bioscience  
**Type of programme:** Doctorate  
**Type of subject:** Doctorate  
**University degree:** Programme of Postgraduate in Biomedicine and biotechnology interdepartmental  
**Start date:** 2007  
**End date:** 2008  
**Hours/ECTS credits:** 1  
**Entity:** University of La Laguna

**Type of teaching:** In person theory

**Type of call:** Competitive

**End date:** 2008

**Type of hours/ ECTS credits:** Hours

**52** **Name of the course:** Oxidants and antioxidants in ageing  
**University degree:** Doctorate Course: Chronobiology of Ageing  
**Start date:** 2007  
**End date:** 2008  
**Entity:** Universidad de Murcia

**End date:** 2008

**Type of entity:** University

**53** **Type of teaching:** Official teaching  
**Name of the course:** anatomy, Histology, Physiology of human organs  
**Type of programme:** Bachelor's degree  
**Type of subject:** Obligatory  
**University degree:** Biology Degree  
**Start date:** 2006  
**End date:** 2007  
**Hours/ECTS credits:** 1,2  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Biology faculty

**Type of teaching:** Practical work (classroom-problems)

**Type of call:** Competitive

**End date:** 2007

**Type of hours/ ECTS credits:** Hours

**Type of entity:** University

**54** **Name of the course:** Citología e Histología Funcional Humana  
**Type of teaching:** Practical work (classroom-problems)  
**University degree:** Licenciado en Biología  
**Start date:** 2006  
**End date:** 2007  
**Hours/ECTS credits:** 1

**End date:** 2007

**Type of hours/ ECTS credits:** Credits



**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Facultad de Biología

**Type of entity:** University

**55 Name of the course:** Embriología  
**Type of teaching:** Practical work (classroom-problems)  
**University degree:** Licenciado en Biología  
**Start date:** 2006  
**End date:** 2007  
**Hours/ECTS credits:** 3,8  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Facultad de Biología

**End date:** 2007  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University

**56 Name of the course:** Genómica funcional e implicación en procesos productivos  
**Type of teaching:** In person theory  
**University degree:** Programa de Doctorado: La Biología Aplicada a la Gestión y Sostenibilidad de Recursos Naturales  
**Start date:** 2006  
**End date:** 2007  
**Hours/ECTS credits:** 1  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Departamento de Biología de Organismos y Sistemas

**End date:** 2007  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University

**57 Name of the course:** Organografía Animal Comparada  
**Type of teaching:** Practical work (classroom-problems)  
**University degree:** Licenciado en Biología  
**Start date:** 2006  
**End date:** 2007  
**Hours/ECTS credits:** 40  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Facultad de Biología

**End date:** 2007  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University

**58 Name of the course:** Técnicas de imagen en Biología  
**Type of teaching:** In person theory  
**University degree:** Programa de Doctorado: La Biología Aplicada a la Gestión y Sostenibilidad de Recursos Naturales  
**Start date:** 2006  
**End date:** 2007  
**Hours/ECTS credits:** 7,5  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Departamento de Biología de Organismos y Sistemas

**End date:** 2007  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University

**59 Name of the course:** Citología e Histología Vegetal y Animal  
**Type of teaching:** Practical work (classroom-problems)  
**University degree:** Licenciado en Biología  
**Start date:** 2005  
**End date:** 2006  
**Hours/ECTS credits:** 20  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Facultad de Biología

**End date:** 2006  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University



- 60** **Name of the course:** Embriología  
**Type of teaching:** Practical work (classroom-problems)  
**University degree:** Licenciado en Biología  
**Start date:** 2005 **End date:** 2006  
**End date:** 2006 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 4  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Biología
- 61** **Name of the course:** Genómica funcional e implicación en procesos productivos  
**Type of teaching:** In person theory  
**University degree:** Programa de Doctorado: La Biología Aplicada a la Gestión y Sostenibilidad de Recursos Naturales  
**Start date:** 2005 **End date:** 2006  
**End date:** 2006 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 1  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Departamento de Biología de Organismos y Sistemas
- 62** **Name of the course:** Técnicas de imagen en Biología  
**Type of teaching:** In person theory  
**University degree:** Programa de Doctorado: La Biología Aplicada a la Gestión y Sostenibilidad de Recursos Naturales  
**Start date:** 2005 **End date:** 2006  
**End date:** 2006 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 7,5  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Departamento de Biología de Organismos y Sistemas
- 63** **Name of the course:** Embriología  
**Type of teaching:** Practical work (classroom-problems)  
**University degree:** Licenciado en Biología  
**Start date:** 2004 **End date:** 2005  
**End date:** 2005 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 55  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Facultad de Biología
- 64** **Name of the course:** Técnicas de imagen en Biología  
**Type of teaching:** In person theory  
**University degree:** Programa de Doctorado: La Biología Aplicada a la Gestión y Sostenibilidad de Recursos Naturales  
**Start date:** 2004 **End date:** 2005  
**End date:** 2005 **Type of hours/ ECTS credits:** Credits  
**Hours/ECTS credits:** 7,5  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Faculty, institute or centre:** Departamento de Biología de Organismos y Sistemas
- 65** **Name of the course:** Citología e Histología Vegetal y Animal  
**Type of teaching:** Practical work (classroom-problems)  
**University degree:** Licenciado en Biología



**Start date:** 2003  
**End date:** 2004  
**Hours/ECTS credits:** 60  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Facultad de Biología

**End date:** 2004  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University

**66 Name of the course:** Técnicas de imagen en Biología  
**Type of teaching:** In person theory  
**University degree:** Programa de Doctorado: La Biología Aplicada a la Gestión y Sostenibilidad de Recursos Naturales  
**Start date:** 2003  
**End date:** 2004  
**Hours/ECTS credits:** 5  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Departamento de Biología de Organismos y Sistemas

**End date:** 2004  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University

**67 Name of the course:** Citología e Histología Vegetal y Animal  
**Type of teaching:** Practical work (classroom-problems)  
**University degree:** Licenciado en Biología  
**Start date:** 2002  
**End date:** 2003  
**Hours/ECTS credits:** 60  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Facultad de Biología

**End date:** 2003  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University

**68 Name of the course:** Técnicas de imagen en Biología  
**Type of teaching:** In person theory  
**University degree:** Programa de Doctorado: La Biología Aplicada a la Gestión y Sostenibilidad de Recursos Naturales  
**Start date:** 2002  
**End date:** 2003  
**Hours/ECTS credits:** 5  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Departamento de Biología de Organismos y Sistemas

**End date:** 2003  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University

**69 Name of the course:** Biología Celular  
**University degree:** Licenciado en Biología  
**Start date:** 2001  
**End date:** 2002  
**Hours/ECTS credits:** 60  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Facultad de Biología

**End date:** 2002  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University

**70 Name of the course:** Citología e Histología Vegetal y Animal  
**Type of teaching:** Practical work (classroom-problems)  
**University degree:** Licenciado en Biología  
**Start date:** 2000  
**End date:** 2001  
**Hours/ECTS credits:** 80  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Facultad de Biología

**End date:** 2001  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University



- 71** **Name of the course:** Organografía Animal Comparada  
**Type of teaching:** Practical work (classroom-problems)  
**University degree:** Licenciado en Biología  
**Start date:** 2000  
**End date:** 2001  
**Hours/ECTS credits:** 30  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Facultad de Biología
- End date:** 2001  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University
- 72** **Name of the course:** Biología Celular  
**University degree:** Licenciado en Biología  
**Start date:** 1999  
**End date:** 2000  
**Hours/ECTS credits:** 60  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Facultad de Biología
- End date:** 2000  
**Type of hours/ ECTS credits:** Credits  
**Type of entity:** University
- 73** **Name of the course:** Microscopia electronica  
**Type of teaching:** theory/laboratory work  
**University degree:** Licenciado en Biología  
**Start date:** 01/04/1999  
**End date:** 1999  
**Entity:** Universidad de Gottingen (Germany)
- End date:** 30/04/1999
- 74** **Name of the course:** Biología Celular e Histología  
**University degree:** Licenciado en Biología  
**Start date:** 1990  
**End date:** 30/07/1994  
**Entity:** Universidad de Oviedo  
**Faculty, institute or centre:** Dpto. Morfología y Biología Celular
- End date:** 1994  
**Type of entity:** University

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

- 1** **Project title:** Búsqueda de marcadores sistémicos en Trastornos Mentales Graves. "Huella Metabólica"  
**Type of project:** Trabajo fin de Máster  
**Entity:** Universidad de Oviedo  
**Student:** Iván Menéndez Valle  
**Obtained qualification:** 9,9  
**Date of reading:** 15/07/2019
- Type of entity:** University
- 2** **Project title:** Assessing and unraveling sarcopenia: role of body weight in muscle wasting  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Ignacio Vega Naredo  
**Entity:** Universidad de Oviedo  
**Student:** Yaiza Potes Ochoa  
**Obtained qualification:** Very good "cum laude"  
**Date of reading:** 11/01/2019  
**European doctorate:** Yes
- Type of entity:** University





- 3** **Project title:** Efecto del estrés al sacrificio en el proceso de conversión del músculo en carne: análisis de biomarcadores de estrés oxidativo y de los procesos de muerte celular y su relación con la aparición de carnes DFD (Dark, Firm, Dry)  
**Type of project:** Trabajo fin de Máster  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Andrea Díaz Luis  
**Obtained qualification:** 8,7  
**Date of reading:** 20/07/2018
- 4** **Project title:** ¿Es la edad un factor causal de daño en leucocitos?. Estudio poblacional en donantes del Principado de Asturias  
**Type of project:** End of course project  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Iván Menéndez Valle  
**Obtained qualification:** 9,6  
**Date of reading:** 18/07/2018
- 5** **Project title:** “Esquizofrenia y bipolaridad. Diferencias fundamentales a nivel sistémico basadas en el estrés oxidativo  
**Type of project:** Trabajo fin de Máster  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Luis Fernández Calleja  
**Obtained qualification:** 7,5  
**Date of reading:** 18/07/2018
- 6** **Project title:** Estudio de las variaciones a nivel sistémico provocadas por la natación como modelo de ejercicio físico  
**Type of project:** End of course project  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Luis Fernández Calleja  
**Date of reading:** 07/2017
- 7** **Project title:** Acción protectora de la melatonina sobre el efecto perjudicial a nivel cerebral del consumo excesivo de fructosa  
**Type of project:** Trabajo fin de Máster  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Juan Carlos Bermejo Millo  
**Obtained qualification:** 9,5  
**Date of reading:** 07/2017
- 8** **Project title:** Hepatic injury under metabolic syndrome: Melatonin as therapeutic protector  
**Type of project:** End of course project  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Student:** Andrea Díaz Luis  
**Obtained qualification:** very good  
**Date of reading:** 07/2016
- 9** **Project title:** Halotane gen effects on mitochondrial fission and fusion and muscle proteolytic capacity along early tenderization of meat  
**Type of project:** Trabajo fin de Máster





**Entity:** Universidad de Oviedo  
**Student:** Judith García Cabrero  
**Date of reading:** 07/2016

**Type of entity:** University

- 10** **Project title:** Characterization of hepatic damage caused by obesity leptin deficiency. Possible attenuation by melatonin

**Type of project:** Doctoral thesis

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Beatriz de Luxán Delgado

**Obtained qualification:** Very good "cum laude"

**Date of reading:** 06/05/2016

**European doctorate:** Yes

- 11** **Project title:** Neurodegeneration induced by obesity?

**Type of project:** Minor thesis

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Laura Morán Blanco

**Obtained qualification:** 8,7

**Date of reading:** 06/2015

- 12** **Project title:** Several autophagy processes in Harderian gland of Syrian hamster (*Mesocricetus auratus*). Hormone regulation in strous cycle

**Type of project:** Doctoral thesis

**Co-director of thesis:** Beatriz Caballero García

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Marina García Macía

**Obtained qualification:** very good "Cum laude"

**Date of reading:** 31/10/2014

**European doctorate:** Yes

- 13** **Project title:** Biomarcadores de calidad en la maduración de la carne

**Type of project:** End of course project

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Victor González Llistó

**Obtained qualification:** 7,3

**Date of reading:** 2014

- 14** **Project title:** Comparación de sistemas de detección de VPH-AR

**Type of project:** End of course project

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Vanesa Cepas López

**Obtained qualification:** 9,9

**Date of reading:** 2014

- 15** **Project title:** Desarrollo de Métodos moleculares de diagnóstico viral

**Type of project:** End of course project

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Zulema Pérez Martínez

**Obtained qualification:** 9,2

**Date of reading:** 2014



- 16** **Project title:** Proyectos subyacentes al ejercicio físico y/o envejecimiento en el ser humano  
**Type of project:** End of course project  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Ángel Álvarez Eguiluz  
**Obtained qualification:** Matrícula de Honor  
**Date of reading:** 07/2013
- 17** **Project title:** Virus y Melatonina  
**Type of project:** End of course project  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Anabel Barbón Marcos  
**Obtained qualification:** 8,8  
**Date of reading:** 2013
- 18** **Project title:** ÉTUDE DU STRESS OXYDATIF DANS LES GLANDES DE HARDER CHEZ LES RONGEURS DÉSSERTICOLES  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Bendlelloul Mounira  
**Entity:** University of ARGELIA **Type of entity:** University  
**Student:** SAADI BRENKIA OUANASSA  
**Obtained qualification:** Apto  
**Date of reading:** 2013
- 19** **Project title:** Marcadores oxidativos en animales sometidos a distintos tipos de estrés  
**Type of project:** End of course project  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Student:** Yaiza Potes Ochoa  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 17/07/2012
- 20** **Project title:** Efecto de la Situación Clínica y del Entrenamiento Crónico sobre Biomarcadores Geriátricos Emergentes  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Maria Josefa Rodríguez Colunga  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Student:** David de Gonzalo Calvo  
**Obtained qualification:** Apto  
**Date of reading:** 21/06/2012
- 21** **Project title:** Estudio de los cambios autofágicos, tanto morfológicos como moleculares, que sufre la glándula de Harder de hámster Sirio (*Mesocricetus auratus*) a lo largo del ciclo estral  
**Type of project:** End of course project  
**Co-director of thesis:** M<sup>a</sup> Josefa Rodríguez Colunga  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Iván Menéndez Montes  
**Obtained qualification:** Matrícula de Honor  
**Date of reading:** 06/2011



- 22** **Project title:** Oxidative stress and inflammation markers along aging  
**Type of project:** Minor thesis  
**Co-director of thesis:** M<sup>a</sup> Josefa Rodríguez Colunga  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Carlos Lombardía González  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 06/2011
- 23** **Project title:** Búsqueda de biomarcadores de insuficiencia cardiaca en ancianos con y sin deterioro cognitivo leve de Asturias  
**Type of project:** Work leading to an ASD  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Beatriz de Luxán Delgado  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 06/2011
- 24** **Project title:** Evolución Post-Mortem de Párametros Indicativos de Calidad en Carne de Vacuno: Efectos de la Raza y el Gen de la Hipertrofia Muscular  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** María del Carmen Olivan García  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Student:** Verónica Sierra Sánchez  
**Obtained qualification:** Sobresaliente Cum Laude  
**Date of reading:** 01/10/2010
- 25** **Project title:** Modulación Redox de la Autofagia en la Glándula de Harder de Hámster Sirio  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Maria Josefa Rodríguez Colunga  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Student:** Ignacio Vega Naredo  
**Obtained qualification:** Sobresaliente Cum Laude  
**Date of reading:** 11/06/2010
- 26** **Project title:** Determinación del papel de los mecanismos de muerte celular programada en los procesos de terneza  
**Type of project:** End of course project  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Beatriz de Luxán Delgado  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 06/2010
- 27** **Project title:** Implicaciones del tratamiento con melatonina en el envejecimiento cerebral  
**Type of project:** Work leading to an ASD  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Marina García Macia  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 06/2010



- 28** **Project title:** Búsqueda de marcadores de calidad durante la maduración de carne de vacuno de las razas autóctonas asturianas: Asturiana de los Valles y Asturiana de la Montaña  
**Type of project:** Minor thesis  
**Co-director of thesis:** M<sup>a</sup> Josefa Rodríguez Colunga  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Marina García Macia  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 30/06/2009
- 29** **Project title:** Identificación temprana de marcadores enzimáticos y proteómicos en la tenderización de la carne en la raza Asturiana de los Valles  
**Type of project:** Minor thesis  
**Co-director of thesis:** M<sup>a</sup> Josefa Rodríguez Colunga  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Ana Palanca Cuñado  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 30/06/2009
- 30** **Project title:** Papel de la defensa antioxidante y las citoquinas en el diagnóstico precoz de la fragilidad en el envejecimiento  
**Type of project:** Work leading to an ASD  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** David de Gonzalo Calvo  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 06/2009
- 31** **Project title:** Respuesta antioxidante ante variaciones de la concentración de oxígeno en la glándula de Harder de diferentes especies de *Spalax ehrenbergi*  
**Type of project:** Work leading to an ASD  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Clara Soria Valles  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 06/2009
- 32** **Project title:** Ratones de Senescencia Acelerada como Modelo de Estudio de Envejecimiento y de un Tratamiento Crónico con Melatonina  
**Type of project:** Doctoral thesis  
**Co-director of thesis:** Rubén Tolvía Fernández  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Student:** Beatriz Caballero García  
**Obtained qualification:** Sobresaliente Cum Laude  
**Date of reading:** 27/11/2008
- 33** **Project title:** Efectos de la alteración del estado oxidativo de la glándula de Harder del hámster Sirio sobre sus mecanismos de supervivencia: Autofagia y masas invasivas  
**Type of project:** Work leading to an ASD  
**Co-director of thesis:** Antonio Fueyo Silva  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Covadonga Huidobro Fernández  
**Obtained qualification:** Sobresaliente



**Date of reading:** 09/2008

- 34** **Project title:** Papel de la melatonina como neuroprotector ante un modelo de porfiria  
**Type of project:** Minor thesis  
**Co-director of thesis:** M<sup>a</sup> Josefa Rodríguez Colunga  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Covadonga Huidobro Fernández  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 07/2007
- 35** **Project title:** Estudio de la adaptación de la glándula de Harder de *Spalax ehrenbergi gallii* ante diferentes concentraciones de oxígeno ambiental  
**Type of project:** Minor thesis  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Clara Soria Valles  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 2007
- 36** **Project title:** Efecto de la melatonina sobre el estrés oxidativo generado en hígado de ratones de senescencia acelerada (SAM)  
**Type of project:** Minor thesis  
**Co-director of thesis:** M<sup>a</sup> Josefa Rodríguez Colunga  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** David García-Pertierra Méndez  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 09/2006
- 37** **Project title:** Estudio de las catepsinas el daño oxidativo de lípidos durante la maduración de carne procedente de las razas; Asturiana de los Valles, Asturiana de la Montaña y el cruce de ambas  
**Type of project:** Minor thesis  
**Co-director of thesis:** M<sup>a</sup> Josefa Rodríguez Colunga  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Diana Sánchez Dopico  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 09/2006
- 38** **Project title:** Muerte Celular por autofagia como Mecanismo de Supervivencia ante el Estrés Oxidativo Fisiológico en la Glándula de Harder del Hámster Sirio  
**Type of project:** Doctoral thesis  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Student:** Cristina Tomás Zapico  
**Obtained qualification:** Sobresaliente Cum Laude  
**Date of reading:** 03/03/2006
- 39** **Project title:** Estudio de indicadores del estado redox celular en un modelo de estrés oxidativo fisiológico: influencia del sexo y de la melatonina  
**Type of project:** Work leading to an ASD  
**Co-director of thesis:** M<sup>a</sup> Josefa Rodríguez Colunga  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Ignacio Vega Naredo



**Obtained qualification:** Sobresaliente  
**Date of reading:** 09/2005

**40 Project title:** Estudio preliminar del estrés oxidativo en ratones con senescencia acelerada

**Type of project:** Minor thesis

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Óscar Álvarez García

**Obtained qualification:** Sobresaliente

**Date of reading:** 06/2004

**41 Project title:** Catepsinas: Su papel durante la maduración de carne bovina procedente de las razas "Asturiana de los Valles" y "Asturiana de la Montaña"

**Type of project:** Work leading to an ASD

**Co-director of thesis:** M<sup>ª</sup> Josefa Rodríguez Colunga

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Beatriz Caballero García

**Obtained qualification:** Sobresaliente

**Date of reading:** 06/2004

**42 Project title:** Estudio de la protección de la melatonina contra el daño oxidativo inducido por el ácido quinolínico en cerebro

**Type of project:** Minor thesis

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Ignacio Vega Naredo

**Obtained qualification:** Sobresaliente

**Date of reading:** 09/2003

**43 Project title:** Estudio de las catepsinas a lo largo del periodo de maduración en añajos culones y heterocigotos de la raza "Asturiana de los Valles"

**Type of project:** Minor thesis

**Co-director of thesis:** M<sup>ª</sup> Josefa Rodríguez Colunga

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Verónica Sierra Sánchez

**Obtained qualification:** Sobresaliente

**Date of reading:** 06/2003

**44 Project title:** Estudio preliminar para el establecimiento de marcadores de calidad durante el proceso de Oreó de añajos culones de la raza Asturiana de los Valles

**Type of project:** Minor thesis

**Co-director of thesis:** M<sup>ª</sup> Josefa Rodríguez Colunga

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Beatriz Caballero García

**Obtained qualification:** Sobresaliente

**Date of reading:** 09/2002

**45 Project title:** Efectos in vitro de derivados del triptófano en cerebro

**Type of project:** End of course project

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Student:** Sergio Menéndez Suárez

**Obtained qualification:** Sobresaliente

**Date of reading:** 2001





- 46** **Project title:** Estudio de los mecanismos de resistencia a la porfiria de la glándula de Harder  
**Type of project:** End of course project  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Cristina Tomás Zapico  
**Obtained qualification:** Sobresaliente  
**Date of reading:** 2000
- 47** **Project title:** ESQUIZOFRENIA Y BIPOLARIDAD. DIFERENCIAS FUNDAMENTALES A NIVEL SISTÉMICO BASADAS EN EL ESTRÉS OXIDATIVO  
**Entity:** Universidad de Oviedo **Type of entity:** University  
**Student:** Luis Fernández Calleja

## Student tutorials

- Name of the programme:** Diplomarbeit of Kim Neitzert from Germany (2008)  
**Entity:** Universidad de Oviedo **Type of entity:** University

## Teaching experience in courses and seminars for university teacher training

- 1** **Type of event:** Curso  
**Name of the event:** Cursos de La Granda 2018  
**Organising entity:** Cursos de La Granda  
**Teaching date:** 22/08/2018  
**Type of participation:** Organizational -Others
- 2** **Type of event:** Curso de extensión Universitaria  
**Name of the event:** Summer Course; Mechanisms of exercise to promote health  
**Organising entity:** Universidad de Oviedo **Type of entity:** University  
**Teaching date:** 07/2011  
**Type of participation:** Participatory - oral communication
- 3** **Type of event:** Curso de extensión universitaria  
**Name of the event:** Summer Course; Aging and Cell death: Basic aims and Perspectives  
**Organising entity:** Universidad de Oviedo **Type of entity:** University  
**Teaching date:** 07/2011  
**Type of participation:** Director/speaker
- 4** **Type of event:** Curso de extensión universitaria  
**Name of the event:** Summer Course; Aging and Cell death: Basic aims and Perspectives  
**Organising entity:** Universidad de Oviedo **Type of entity:** University  
**Teaching date:** 07/2010  
**Type of participation:** Director/speaker
- 5** **Type of event:** Curso de extensión universitaria  
**Name of the event:** Summer Course; Aging and Cell death: Basic aims and Perspectives  
**Organising entity:** Universidad de Oviedo **Type of entity:** University  
**Teaching date:** 07/2009





**Type of participation:** Director/speaker

**6 Type of event:** Curso de extensión universitaria

**Name of the event:** Summer Course; Aging and Cell death: Basic aims and Perspectives

**Organising entity:** Universidad de Oviedo

**Type of entity:** University

**Teaching date:** 07/2008

**Type of participation:** Director/speaker

**7 Name of the event:** Postgraduate course of Biomedicine and Biotechnology: Discussions in Bioscience

**Organising entity:** Universidad de La Laguna

**Type of entity:** University

**Teaching date:** 03/2008

**Type of participation:** Participatory - invited/keynote talk

**8 Type of event:** Seminar

**Name of the event:** Doctorate course: Biological rhythms and aging

**Organising entity:** Universidad de Murcia

**Type of entity:** University

**Teaching date:** 02/2008

**Type of participation:** Participatory - invited/keynote talk

**9 Type of event:** Curso de extensión universitaria

**Name of the event:** Summer Course; Aging and Cell death: Basic aims and Perspectives

**Organising entity:** Universidad de Oviedo

**Type of entity:** University

**Teaching date:** 07/2007

**Type of participation:** Director/speaker

**10 Type of event:** Curso de extensión Universitaria

**Name of the event:** Summer Course; Aging and Cell death: Basic aims and Perspectives

**Organising entity:** Universidad de Oviedo

**Type of entity:** University

**Teaching date:** 07/2006

**Type of participation:** Director/speaker

**11 Type of event:** Curso de extensión Universitaria

**Name of the event:** Summer Course; Aging and Cell death: Basic aims and Perspectives

**Organising entity:** Universidad de Oviedo

**Type of entity:** University

**Teaching date:** 07/2005

**Type of participation:** Director/speaker

**12 Type of event:** Summer course

**Name of the event:** Summer course: Fundamentos basicos y aplicacion clinica de los radicales libres en el envejecimiento

**Organising entity:** Universidad de Granada

**Type of entity:** University

**Teaching date:** 07/2005

**Type of participation:** Participatory - invited/keynote talk



## Educational or pedagogical publications, books, articles, etc.

- 1** Ana Coto-Montes; José A. Boga; Dun X. Tan; Russel J. Reiter. Pineal Gland. Research Advances and Clinical Challenges. pp. 1 - 38. Nova Science Publishers, 2017. ISBN 978-1-53612-117-9  
**Name of the materials:** The physiology and pathology of skeletal and cardiac muscle: beneficial actions of melatonin.  
**Date of drafting:** 2017  
**Format:** Book  
**Position of signature:** 1  
**Degree of contribution:** Author or co-author of chapter in book
- 2** Mamen Oliván García; Fernando Díaz Martínez; Yaiza Potes Ochoa; Yolanda Diñeiro García; Adrian Rubio González; Ana Coto Montes. Identificación de biomarcadores de calidad en la carne relacionados con el estrés pre-sacrificio. 2016. ISBN 978-607-9426-52-1  
**Name of the materials:** Avances de investigación en Tecnología y Ciencia de la Carne  
**Date of drafting:** 2016  
**Format:** Chapters of books
- 3** Jesus Tresguerres; Ana Coto Montes. Muerte neuronal, Neurodegeneración y Neuroprotección. pp. 1 - 46. UNED, 2012.  
**Name of the materials:** Master de Envejecimiento y Fragilidad de la UNED  
**Date of drafting:** 2012  
**Format:** Chapters of books
- 4** Ana Coto Montes. Envejecimiento Orgánico. pp. 1 - 25. UNED, 2012.  
**Name of the materials:** Master en Envejecimiento y Fragilidad de la UNED  
**Date of drafting:** 2012  
**Format:** Chapters of books
- 5** Jose Viña; Ana Coto Montes. Señalización Celular en el Envejecimiento. pp. 1 - 22. UNED, 2012.  
**Name of the materials:** Master en Envejecimiento y Fragilidad de la UNED  
**Date of drafting:** 2012  
**Format:** Chapters of books
- 6** A Coto Montes; J Martinez Fraga. Inmunohistoquímica e Inmunocitoquímica. pp. 115 - 134. Universidad de Oviedo, 2008. ISBN 978-84-8317-738-9  
**Name of the materials:** Microscopía y análisis de imagen en Biología  
**Date of drafting:** 2008  
**Format:** Chapters of books
- 7** Ana Coto Montes. pp. 1 - 3. Campus Virtual de la Universidad de Oviedo, 2007.  
**Name of the materials:** Modelo de autoevaluación en Biología Celular  
**Date of drafting:** 2007
- 8** Ana Coto Montes. Enfermedades asociadas al mal funcionamiento celular. pp. 1 - 12. Universidad de Oviedo, 2007.  
**Name of the materials:** WEBQUEST  
**Date of drafting:** 2007  
**Format:** On-line material



- 9** A Coto Montes; J Martinez Fraga. Inmunohistoquímica e Inmunocitoquímica. pp. 105 - 124. Universidad de Oviedo, 2002. ISBN 84-607-4251-2  
**Name of the materials:** Técnicas de imagen en Biología  
**Date of drafting:** 2002  
**Format:** Chapters of books
- 10** Robinson Hillmer; Ana Coto; Zipptich Dasbach; Movafeghi Pimpl. EINFÜHRUNG IN DIE ELEKTRONENMIKROSKOPIE. pp. 1 - 15. University of Gottingen, 1999.  
**Name of the materials:** Guia de principios en microscopia electronica  
**Date of drafting:** 1999  
**Format:** Notes
- 11** Ana Coto-Montes; Yaiza Potes Ochoa; José Antonio Boga Riveiro; Juan José Solano Jaurrieta. Optimizar los resultados de la cirugía en el adulto mayor a través de la medicina geriátrica. pp. 459 - 467. 2018. ISBN 978-84-16386-55-0  
**Name of the materials:** Modificaciones en biomarcadores de fragilidad como factores predictores de respuesta a tratamiento en sujetos ancianos.  
**Format:** Book  
**Position of signature:** 1
- 12** Ana Coto Montes. pp. 0 - 100. Universidad de Oviedo,  
**Name of the materials:** Presentación de imagenes en power-point y exposición oral de una clase virtual sobre el estrés oxidativo y los antioxidantes en investigación sobre envejecimiento  
**Format:** Book

## Participation in innovative teaching projects

- 1** **Project title:** Esquematización de contenidos en Biología Celular mediante el uso compartido on-line de presentaciones de Google. Herramientas tecnológicas para la docencia y tutoría on-line  
**Type of participation:** Principal investigator  
**Start-End date:** 2015 - 2016
- 2** **Project title:** WEBQUEST: Trabajo colaborativo y desarrollo de competencias en entornos virtuales  
**Type of participation:** Others  
**Name of the main researcher:** M<sup>a</sup> Esther del Moral Perez  
**Funding entity:** Principado de Asturias  
**Participating entity/entities:**  
Universidad de Oviedo **Type of entity:** University  
**Start-End date:** 01/06/2008 - 01/06/2009
- 3** **Project title:** Atlas Interactivo on-line de Histología (<http://www.uniovi.es/morfologia/Atlas/es/index.htm>)  
**Type of participation:** Co-author  
**Participating entity/entities:**  
Universidad de Oviedo **Type of entity:** University  
**Start-End date:** 2002 - 30/09/2002

## Participation in conferences with talks focused on teacher training

- 1 Name of the event:** IX Jornadas de Docencia en Biología Celular  
**Type of event:** Workshop  
**Type of participation:** Participatory - oral communication  
**City of event:** Bilbao, Basque Country, Spain  
**Date of presentation:** 18/10/2018  
**Organising entity:** SOCIEDAD ESPAÑOLA DE BIOLOGIA CELULAR  
Herramientas on-line para fomentar el aprendizaje colaborativo del alumnado.
- 2 Name of the event:** IX Jornadas de Docencia en Biología Celular  
**Type of event:** Workshop  
**Type of participation:** Participatory - oral communication  
**City of event:** Bilbao, Basque Country, Spain  
**Date of presentation:** 18/10/2018  
**Organising entity:** SOCIEDAD ESPAÑOLA DE BIOLOGIA CELULAR  
Incorporación del Smartphone y de las redes sociales en las prácticas de Biología Celular e Histología.
- 3 Name of the event:** CURSO TEORICO-PRACTICO DE CRIOTECNICAS PARA RECONOCIMIENTO MOLECULAR EN MICROSCOPIA ELECTRONICA  
**Type of event:** Seminar  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Oviedo (Asturias), Spain  
**Date of presentation:** 23/06/1998  
**Organising entity:** LEICA MICROSISTEMAS, S.A.; Sociedad Española de Microscopia Electrónica; Sociedad Española de Biología Celular

## Other activities/achievements not included above

- 1 Description of the activity:** Coordina e imparte en su totalidad la docencia teorica de la asignatura de Biología Celular e Histología del primer curso del grado de Enfermería de la facultad de Medicina y Ciencias de la Salud (Curso 2018-2019)  
**Organising entity:** Universidad de Oviedo  
**Type of entity:** University  
**End date:** 2019
- 2 Description of the activity:** Coordina e imparte en su totalidad la docencia teorica de la asignatura de Biología Celular e Histología del primer curso del grado de Fisioterapia de la facultad de Medicina y Ciencias de la Salud (Curso 2018-2019)  
**Organising entity:** Universidad de Oviedo  
**Type of entity:** University  
**End date:** 2019
- 3 Description of the activity:** Secretaria de la Comision Academia del Departamento de Morfología y Biología Celular.  
**Organising entity:** Universidad de Oviedo  
**Type of entity:** University  
**End date:** 10/11/2013
- 4 Description of the activity:** Secretaria del Departamento de Morfología y Biología celular  
**Organising entity:** Universidad de Oviedo  
**Type of entity:** University  
**End date:** 19/09/2013



- 5** **Description of the activity:** Titular de la Comisión de Docencia de la Licenciatura y Grado en Biología de la Facultad de Biología  
**Organising entity:** Universidad de Oviedo **Type of entity:** University  
**End date:** 16/12/2012
- 6** **Description of the activity:** Vocal corrector de Universidad del tribunal que ha de juzgar las pruebas de acceso a Universidad (PAU, convocatoria junio, 2012)  
**Organising entity:** Universidad de Oviedo, Consejería de Educación  
**End date:** 31/07/2012
- 7** **Description of the activity:** Profesora responsable en la "Universidad de Mayores" de la asignatura "La Célula: Protagonista de la película de la vida"  
**Organising entity:** Universidad de Oviedo **Type of entity:** University  
**End date:** 30/07/2011
- 8** **Description of the activity:** Miembro del comité de autoevaluación del servicio de investigación de la Universidad de Oviedo  
**Organising entity:** Universidad de Oviedo **Type of entity:** University  
**End date:** 30/04/2004

## Scientific and technological experience

### Research and development groups/teams

**Name of the group:** Cellular Response to Oxidative Stress (cROS)  
**Aims of the group:** Research  
**Name of principal investigator:** Ana Coto Montes **Number of members in the group:** 11  
**City of group:** Oviedo (Asturias), Principality of Asturias, Spain  
**Affiliation entity:** Universidad de Oviedo **Type of entity:** University  
**Number of directed thesis:** 5  
**Identify key words:** Biomedicine; Foodstuffs technology  
**Start date:** 2002

### Scientific or technological activities

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

- 1** **Name of the project:** Marcadores diferenciales de dependencia en sarcopenia de humanos. Papel de las células satélite y posibilidades clínicas  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Name principal investigator (PI, Co-PI....):** Coto-Montes Ana  
**Nº of researchers:** 6  
**Type of participation:** Principal investigator  
**Code according to the funding entity:** PI17/02009



**Start-End date:** 01/01/2018 - 31/12/2020  
**Total amount:** 99.220 €

**Duration:** 3 years

**2 Name of the project:** Estimulación lumínica cerebral profunda experimental y su aplicación a los trastornos mentales y neurológicos

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**City of entity:** Oviedo, Principality of Asturias, Spain

**Name principal investigator (PI, Co-PI....):** Arias Jorge; Coto-Montes Ana

**Type of participation:** Team member

**Code according to the funding entity:** MINECO-17-PSI2015-73111-EXP

**Start-End date:** 01/05/2017 - 30/04/2019

**Total amount:** 54.450 €

**3 Name of the project:** Plan Propio "Ayudas a Grupos de Investigación"

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Coto-Montes A

**Code according to the funding entity:** PAPI-18-GR-2010-0008

**Start-End date:** 01/01/2018 - 31/12/2018

**Total amount:** 1.650 €

**4 Name of the project:** Factores asociados al desarrollo de fragilidad y sus consecuencias

**Geographical area:** National

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**City of entity:** Oviedo, Principality of Asturias, Spain

**Name principal investigator (PI, Co-PI....):** Ana Coto Montes

**Nº of researchers:** 4

**Funding entity or bodies:**

Instituto de Salud Carlos III

**Type of entity:** Public Research Body

**City funding entity:** Majadahonda, Community of Madrid, Spain

**Type of participation:** Principal investigator

**Name of the programme:** Fondo de Investigación sanitaria (FISS)

**Code according to the funding entity:** FISS-13-RD12/0043/0030

**Start-End date:** 01/01/2013 - 31/01/2017

**Total amount:** 155.517,47 €

**Dedication regime:** Full time

**5 Name of the project:** cROS - Cellular response to Oxidative Stress

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University

**City of entity:** Oviedo, Principality of Asturias, Spain

**Name principal investigator (PI, Co-PI....):** Coto-Montes Ana

**Nº of researchers:** 7

**Type of participation:** Principal investigator

**Code according to the funding entity:** FC-15-GRUPIN14-071

**Start-End date:** 2014 - 2017

**Total amount:** 96.800 €





- 6** **Name of the project:** Marcadores biológicos predictores de recuperación funcional en pacientes ancianos sometidos a cirugía de cadera  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Name principal investigator (PI, Co-PI....):** Coto-Montes Ana  
**Nº of researchers:** 4  
**Type of participation:** Principal investigator  
**Code according to the funding entity:** PI13/02741  
**Start-End date:** 01/01/2014 - 31/12/2016  
**Total amount:** 49.610 €  
**Dedication regime:** Full time
- 7** **Name of the project:** Identificación de biomarcadores de calidad en la carne relacionados con el estrés ante-y peri-sacrificio  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** M<sup>a</sup> Carmen Oliván García; Coto-Montes Ana  
**Funding entity or bodies:** Ministerio de Ciencia e Innovación. Investigación **Type of entity:** MCIIN  
**City funding entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Co-ordinator  
**Code according to the funding entity:** AGL2011-30598-C03-03  
**Start-End date:** 01/01/2012 - 31/12/2014  
**Participating entity/entities:** Servicio Regional de Investigación y Desarrollo Agroalimentario; Universidad de Oviedo  
**Total amount:** 96.800 €  
**Dedication regime:** Part time
- 8** **Name of the project:** Desarrollo y validación de la glándula de Harder como un nuevo modelo animal de autofagia regulada por estrés oxidativo y hormonas sexuales  
**Geographical area:** National  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Ana Coto Montes  
**Funding entity or bodies:** Ministerio de Ciencia e Innovación **Type of entity:** Spanish Government  
**City funding entity:** Madrid, Community of Madrid, Spain  
**Type of participation:** Principal investigator  
**Code according to the funding entity:** BFU2010-20919  
**Start-End date:** 01/01/2011 - 31/12/2013  
**Total amount:** 96.800 €  
**Dedication regime:** Full time
- 9** **Name of the project:** Red Temática de Envejecimiento y Fragilidad (RETICEF): Respuesta celular al estrés oxidativo  
**Geographical area:** National  
**Entity where project took place:** Universidad de Oviedo **Type of entity:** University  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Name principal investigator (PI, Co-PI....):** Ana Coto Montes



**Funding entity or bodies:**

Instituto de Salud Carlos III

**Type of entity:** Public Research Body**City funding entity:** Majadahonda, Community of Madrid, Spain**Name of the programme:** Fondo de Investigación sanitaria (FISS)**Code according to the funding entity:** FISS-06-RD06/0013/0011**Start-End date:** 01/01/2007 - 31/12/2013**Total amount:** 167.760 €**Dedication regime:** Part time

- 10 Name of the project:** Financiación a grupos de Investigación reconocidos por el Principado de Asturias del Cluster de Biomedicina y Salud

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University**Name principal investigator (PI, Co-PI....):** Ana Coto Montes**Funding entity or bodies:**

Principado de Asturias

**Code according to the funding entity:** CP-PA-11-GI/SPIN-OFF**Start-End date:** 15/10/2011 - 31/12/2011**Dedication regime:** Full time

- 11 Name of the project:** Proyecto puente a: Identificación de biomarcadores de calidad en la carne relacionados con el estrés ante-y peri-sacrificio

**Entity where project took place:** Universidad de Oviedo **Type of entity:** University**Name principal investigator (PI, Co-PI....):** Coto-Montes A; M<sup>a</sup> Carmen Oliván García**Funding entity or bodies:**Ministerio de Ciencia e Innovación. Investigación **Type of entity:** MCIIN**City funding entity:** Madrid, Community of Madrid, Spain**Type of participation:** Principal investigator**Code according to the funding entity:** AGL2010-21578-C03-02 (GAN)**Start-End date:** 01/01/2011 - 31/12/2011**Participating entity/entities:** Servicio Regional de Investigación y Desarrollo Agroalimentario; Universidad de Oviedo**Total amount:** 15.000 €**Dedication regime:** Part time

- 12 Name of the project:** Predictores de deterioro funcional en personas mayores con insuficiencia cardiaca crónica. Rol de los mecanismos inflamatorios

**Geographical area:** Regional**Entity where project took place:** Universidad de Oviedo **Type of entity:** University**Name principal investigator (PI, Co-PI....):** Ana Coto Montes**Funding entity or bodies:**

FUNDACION PARA EL FOMENTO EN ASTURIAS DE LA INVESTIGACION CIENTIFICA APLICADA Y LA TECNOLOGIA

**City funding entity:** Spain**Type of participation:** Principal investigator**Code according to the funding entity:** FC-09-IB09-134**Start-End date:** 01/09/2009 - 31/12/2010



**Participating entity/entities:** Servicio Regional de Investigación y Desarrollo Agroalimentario; Universidad de Oviedo

**Total amount:** 52.943,5 €

**Dedication regime:** Part time

**13 Name of the project:** Early identification of proteómic and enzymatic markers to optimize the meat traceability of beef

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

**Geographical area:** Regional

**Entity where project took place:** Universidad de Oviedo

**Type of entity:** University

**City of entity:** Oviedo, Principality of Asturias, Spain

**Name principal investigator (PI, Co-PI....):** Ana Coto Montes

**Funding entity or bodies:**

INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

**Type of participation:** Principal investigator

**Code according to the funding entity:** INIA, RTA2007-00087-C02-02

**Start-End date:** 04/09/2007 - 31/12/2010

**Participating entity/entities:** Universidad de Oviedo

**Total amount:** 45.363,12 €

**Dedication regime:** Part time

**14 Name of the project:** La glándula de harder en los roedores de desérticolas

**Entity where project took place:** Universidad de Oviedo

**Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Ana Coto Montes

**Funding entity or bodies:**

Ministerio de Asuntos Exteriores y Cooperación

**Code according to the funding entity:** PCI A/016448/08

**Start-End date:** 01/01/2009 - 31/01/2010

**Participating entity/entities:** Universidad de Oviedo; Université des Sciences et Technologie Houari Boumediene (Argelia)

**Dedication regime:** Part time

**15 Name of the project:** Adquisición de microscopio electrónico de transmisión de 100 Kv

**Entity where project took place:** Universidad de Oviedo

**Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Maria Josefa Rodriguez Colunga

**Funding entity or bodies:**

FUNDACION PARA EL FOMENTO EN ASTURIAS DE LA INVESTIGACION CIENTIFICA APLICADA Y LA TECNOLOGIA

**City funding entity:** Spain

**Code according to the funding entity:** FC-07-EQUIP-15

**Start-End date:** 28/05/2007 - 31/12/2007

**Participating entity/entities:** Hospital Central de Asturias; Universidad de Oviedo

**Dedication regime:** Part time

**16 Name of the project:** Desarrollo de tecnologías agroalimentarias para la producción y control de calidad de Ternera Asturiana, Categoría de Ternera (IGP) y la gestión sostenible de los recursos vegetales y animales

**Geographical area:** Regional



**Degree of contribution:** Researcher

**Entity where project took place:** Universidad de Oviedo      **Type of entity:** University

**Name principal investigator (PI, Co-PI....):** Koldo Osoro Otaduy

**Funding entity or bodies:**

Principado de Asturias

**Type of participation:** Others

**Code according to the funding entity:** PC04-43

**Start-End date:** 01/01/2005 - 31/12/2006

**Participating entity/entities:** Servicio Regional de Investigación y Desarrollo Agroalimentario; Universidad de Oviedo

**Dedication regime:** Part time

**17 Name of the project:** Application of "NIRS" technology as an on-line quality control of beef

**Geographical area:** Regional

**Entity where project took place:** Universidad de Oviedo      **Type of entity:** University

**City of entity:** Oviedo, Principality of Asturias, Spain

**Name principal investigator (PI, Co-PI....):** Ana Coto Montes

**Funding entity or bodies:**

INSTITUTO NACIONAL DE INVESTIGACIÓN Y TECNOLOGÍA AGRARIA Y ALIMENTARIA (INIA)

**Type of participation:** Principal investigator

**Code according to the funding entity:** INIA-04-CAL03/074/C2-2

**Start-End date:** 31/03/2004 - 31/12/2006

**Participating entity/entities:** Servicio Regional de Investigación y Desarrollo Agroalimentario; Universidad de Oviedo

**Total amount:** 39.291 €

**Dedication regime:** Part time

**18 Name of the project:** Molecular and Cellular basis of oxidative damage in aging (RED G03/13). Cellular processes related to cell death.

**Geographical area:** National

**Entity where project took place:** Universidad de Oviedo      **Type of entity:** University

**City of entity:** Oviedo, Principality of Asturias, Spain

**Name principal investigator (PI, Co-PI....):** Ana Coto Montes

**Funding entity or bodies:**

Instituto de Salud Carlos III

**Type of entity:** Public Research Body

**City funding entity:** Majadahonda, Community of Madrid, Spain

**Type of participation:** Principal investigator

**Name of the programme:** Fondo de Investigación Sanitaria (FISS)

**Code according to the funding entity:** FISS-06-PI050101

**Start-End date:** 23/12/2005 - 30/12/2006

**Total amount:** 1.032 €

**Dedication regime:** Part time

**19 Name of the project:** Red temática de Investigación Cooperativa en Envejecimiento: Molecular and Cellular basis of oxidative damage in aging

**Geographical area:** National

**Type of entity:** University



**Entity where project took place:** Universidad de Oviedo  
**City of entity:** Oviedo, Principality of Asturias, Spain  
**Name principal investigator (PI, Co-PI....):** Ana Coto Montes  
**Funding entity or bodies:**  
Instituto de Salud Carlos III

**Type of participation:** Principal investigator  
**Name of the programme:** Fondos de Investigación Sanitaria (FISS)  
**Code according to the funding entity:** FISS-03-RED-G03/137  
**Start-End date:** 27/01/2003 - 31/07/2006  
**Total amount:** 45.548,57 €  
**Dedication regime:** Full time

**20 Name of the project:** Estudio de los mecanismos de resistencia a la porfiria en la glándula de harder del hamster. Interrelaciones entre enzimas antioxidantes, porfirina y melatonina.

**Geographical area:** National  
**Entity where project took place:** Universidad de Oviedo      **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Delio Tolivia  
**Funding entity or bodies:**  
MINISTERIO DE EDUCACION Y CIENCIA  
**City funding entity:** Spain

**Type of participation:** Others  
**Code according to the funding entity:** PB98-1565  
**Start-End date:** 30/12/1999 - 20/12/2002  
**Dedication regime:** Part time

**21 Name of the project:** Establecimiento de marcadores de calidad durante el proceso de oreo de cebones de la raza "Asturiana de los Valles". Conservación y mejora de las características organolépticas de la carne.

**Entity where project took place:** Universidad de Oviedo      **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Ana Coto Montes  
**Funding entity or bodies:**  
MINISTERIO DE EDUCACION Y CIENCIA  
**City funding entity:** Spain

**Type of participation:** Principal investigator  
**Code according to the funding entity:** CAJAL-01-07  
**Start-End date:** 15/11/2001 - 15/11/2002  
**Total amount:** 5.707,51 €  
**Dedication regime:** Full time

**22 Name of the project:** Establecimiento de marcadores de calidad durante el proceso de oreo de cebones de la raza "Asturiana de los Valles"

**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Oviedo      **Type of entity:** University  
**Name principal investigator (PI, Co-PI....):** Ana Coto Montes  
**Funding entity or bodies:**  
Ayuntamiento de Oviedo

**Type of participation:** Co-ordinator



**Code according to the funding entity:** SV-01-COVIAN-1  
**Start-End date:** 01/01/2001 - 30/06/2001  
**Dedication regime:** Full time

**23 Name of the project:** Melatonin as a neuroprotective substance in an animal model system

**Degree of contribution:** Researcher  
**Entity where project took place:** University of Göttingen (Germany)  
**Name principal investigator (PI, Co-PI...):** Rudiguer Hardeland  
**Funding entity or bodies:**  
European Union (Marie Curie program)

**Code according to the funding entity:** DG12-SSMA  
**Start-End date:** 01/12/1996 - 30/11/1998  
**Dedication regime:** Full time

**24 Name of the project:** Estudio de las acciones inhibitorias de la melatonina sobre la mama normal y tumoral

**Degree of contribution:** Researcher  
**Entity where project took place:** Universidad de Cantabria      **Type of entity:** University  
**Name principal investigator (PI, Co-PI...):** Emilio Sanchez Barceló  
**Type of participation:** Others  
**Name of the programme:** Ministerio de Educación y Ciencia  
**Code according to the funding entity:** PB92-0831  
**Start-End date:** 01/06/1994 - 30/06/1997  
**Dedication regime:** Full time

**R&D non-competitive contracts, agreements or projects with public or private entities**

**1 Name of the project:** Identificación de biomarcadores de estrés en distintas razas autóctonas de vacuno (IBERVAC) asociados con la calidad de la carne

**Degree of contribution:** Coordinator of total project, network or consortium  
**Funding entity or bodies:**  
Servicio Regional de Investigación y Desarrollo Agroalimentario      **Type of entity:** R&D Centre  
**City funding entity:** Somió, Principality of Asturias, Spain

**Code according to the funding entity:** FUO-094-18  
**Start date:** 12/03/2018  
**Total amount:** 3.140,5 €

**2 Name of the project:** Análisis de marcadores de autofagia en extractos sarcoplásmicos, miofibrilares y totales de carne de vacuno

**Degree of contribution:** Coordinator of total project, network or consortium  
**Funding entity or bodies:**  
Servicio Regional de Investigación y Desarrollo Agroalimentario      **Type of entity:** R&D Centre  
**City funding entity:** Somió, Principality of Asturias, Spain

**Code according to the funding entity:** FUO-265-17  
**Start date:** 08/08/2017  
**Total amount:** 1.636,36 €

- 3** **Name of the project:** Identificación de biomarcadores de estrés en distintas razas autóctonas de vacuno (IBERVAC) asociados con la calidad de la carne  
**Degree of contribution:** Coordinator of total project, network or consortium  
**Funding entity or bodies:**  
Servicio Regional de Investigación y Desarrollo Agroalimentario **Type of entity:** R&D Centre  
**City funding entity:** Somió, Principality of Asturias, Spain  
**Code according to the funding entity:** FUO-117-17  
**Start date:** 01/01/2017  
**Total amount:** 2.148,77 €
- 4** **Name of the project:** Identificación de biomarcadores de estrés en distintas razas autóctonas de vacuno (IBERVAC) asociados con la calidad de la carne  
**Degree of contribution:** Coordinator of total project, network or consortium  
**Funding entity or bodies:**  
Servicio Regional de Investigación y Desarrollo Agroalimentario **Type of entity:** R&D Centre  
**City funding entity:** Somió, Principality of Asturias, Spain  
**Code according to the funding entity:** FUO-100-16  
**Start date:** 17/03/2016  
**Total amount:** 2.115,7 €
- 5** **Name of the project:** Identificación de biomarcadores de calidad en la carne relacionados con el estrés celular ante- y peri-sacrificio  
**Degree of contribution:** Coordinator of total project, network or consortium  
**Funding entity or bodies:**  
Servicio Regional de Investigación y Desarrollo Agroalimentario **Type of entity:** R&D Centre  
**City funding entity:** Somió, Principality of Asturias, Spain  
**Code according to the funding entity:** FUO-EM-077-15  
**Start date:** 26/02/2015  
**Total amount:** 3.940,5 €
- 6** **Name of the project:** Estudio epidemiológico en el envejecimiento  
**Degree of contribution:** Coordinator of total project, network or consortium  
**Funding entity or bodies:**  
FICYT  
**Code according to the funding entity:** FUO-EM-360-14  
**Start date:** 01/12/2014  
**Total amount:** 2.479,34 €
- 7** **Name of the project:** Análisis de biomarcadores de estrés oxidativo en muestras de carne de cerdo (WORK PACKAGE 1)  
**Degree of contribution:** Coordinator of total project, network or consortium  
**Funding entity or bodies:**  
Servicio Regional de Investigación y Desarrollo Agroalimentario **Type of entity:** R&D Centre  
**City funding entity:** Somió, Principality of Asturias, Spain  
**Code according to the funding entity:** FUO-EM-075-14





**Start date:** 11/04/2014  
**Total amount:** 7.838,84 €

**8 Name of the project:** Servicio de análisis de muestras  
**Degree of contribution:** Coordinator of total project, network or consortium  
**Funding entity or bodies:**  
FICYT

**Code according to the funding entity:** CN-13-021  
**Start date:** 01/05/2013  
**Total amount:** 3.630 €

**9 Name of the project:** Problemas relacionados con la situación nutricional en pacientes hospitalizados por enfermedad aguda: Estudio de la prevalencia de desnutrición y su relación con diferentes marcadores de estrés oxidativo e inflamación

**Degree of contribution:** Coordinator of total project, network or consortium  
**Funding entity or bodies:**

Nutricia S.A.

**Type of entity:** Business

**City funding entity:** Spain

**Start date:** 04/03/2013  
**Total amount:** 1.500 €

**10 Name of the project:** Nutrición en personas mayores ingresadas por enfermedad aguda: Análisis de la incidencia y los factores de riesgo asociados

**Degree of contribution:** Coordinator of total project, network or consortium

**Funding entity or bodies:**

Sociedad de Geriátría y Gerontología del Principado de Asturias

**Code according to the funding entity:** FUE-EM-301-13

**Start date:** 01/01/2013

**Total amount:** 1.652,89 €

**11 Name of the project:** INVESPA (Research Group in Aging and Health of Principality of Asturias)

**Type of project:** Research and development, including transfer  
**Geographical area:** Regional

**Degree of contribution:** Coordinator of total project, network or consortium

**Name principal investigator (PI, Co-PI...):** Ana Coto Montes; Juan Jose Solano Jaurrieta

**Nº of researchers:** 2

**Participating entity/entities:** Hospital Monte Naranco; Universidad de Oviedo

**Funding entity or bodies:**

Consejería de Sanidad del Principado de Asturias

**Start date:** 2008



## Results

### Industrial and intellectual property

- 1 Title registered industrial property:** UTILIDAD DE LA TÉCNICA NIRS EN LA PREDICCIÓN DE LA CALIDAD MUSCULAR Y EL GRADO DE DETERIORO DEL TEJIDO MUSCULAR EN ANCIANOS (AGED MUSCLE NIRS)  
**Inventors/authors/obtainers:** Ana M<sup>a</sup> Coto Montes; Susana M<sup>a</sup> Rodríguez González; Beatriz de Luxán Delgado; Yaiza Potes Ochoa; Ignacio Vega Naredo; Beatriz Caballero García; Jose Antonio Boga Riveiro; María de Oña Navarro; Juan José Solano Jaurrieta; José Gutierrez Rodríguez; Marta Elena Álvarez Argüelles; María Fernández Fernández; Manuel Bermudez Menéndez de la Granda; M<sup>a</sup> Carmen Oliván García; Marcela Rodrigues Moreira; Jose Miguel Arche Coto  
**Reference/registry code:** 05/2016/212                      **Nº of application:** O-91/2016  
**Country of inscription:** Spain, Principality of Asturias  
**Date of register:** 02/03/2016
- 2 Title registered industrial property:** ITS: ÍNDICE PREDICTOR DE SARCOPENIA PARA PERSONAS NO DEPENDIENTES MAYORES DE 70 AÑOS  
**Inventors/authors/obtainers:** Beatriz Caballero García; Beatriz de Luxán Delgado; Yaiza Potes Ochoa; Adrian Rubio González; Susana M<sup>a</sup> Rodríguez González; Ignacio Vega Naredo; Jose Antonio Boga Riveiro; Pedro Abizanda Soler; Luis Romero Rizos; Pedro Manuel Sánchez Jurado; Juan José Solano Jaurrieta; Manuel Bermúdez Menéndez De La Granda; Ana M<sup>a</sup> Coto Montes  
**Reference/registry code:** 05/2015/71                      **Nº of application:** O-453-2014  
**Country of inscription:** Spain, Principality of Asturias  
**Date of register:** 17/11/2015  
**Conferral date:** 11/02/2015
- 3 Title registered industrial property:** INDICE TRASLACIONAL PREDICTIVO DE INGRESO HOSPITALARIO (ITI) AL AÑO EN ANCIANOS, MEDIANTE UN MODELO INSTITUCIONALIZADO  
**Inventors/authors/obtainers:** de Gonzalo Calvo David; de Luxán Delgado Beatriz; García Macia Marina; Rodríguez González Susana M<sup>a</sup>; Coto Montes Ana M<sup>a</sup>; Martínez Cambor Pablo; Suárez García Francisco Manuel; Rodríguez Colunga M<sup>a</sup> Josefa; Solano Jaurrieta Juan J  
**Reference/registry code:** 05/2011/332                      **Nº of application:** O-250-2011  
**Country of inscription:** Spain, Principality of Asturias  
**Date of register:** 13/05/2011
- 4 Title registered industrial property:** ÍNDICE TRASLACIONAL PREDICTIVO DE MORTALIDAD AL AÑO EN ANCIANOS (ITM) BASADO EN UN MODELO INSTITUCIONALIZADO  
**Inventors/authors/obtainers:** de Gonzalo Calvo David; de Luxán Delgado Beatriz; García Macia Marina; Rodríguez González Susana M<sup>a</sup>; Coto Montes Ana M<sup>a</sup>; Martínez Cambor Pablo; Suárez García Francisco Manuel; Rodríguez Colunga M<sup>a</sup> Josefa; Solano Jaurrieta Juan J  
**Reference/registry code:** 05/2011/333                      **Nº of application:** O-251-2011  
**Country of inscription:** Spain, Principality of Asturias  
**Date of register:** 13/05/2011



## Technological results derived from specialized and transfer activities, not included in previous sections

**Description:** Determination of procedures to characterize autophagy in in vivo animal models. Methods in Enzimology. Vol 452: pp 457-76.

**Name of the principal Investigator (PI):** Ana Coto Montes

**Start date:** 2009

## Scientific and technological activities

### Scientific production

#### Publications, scientific and technical documents

- 1** González-Blanco L; García-Portilla MP; García-Álvarez L; de la Fuente-Tomás L; Iglesias García C; Sáiz PA; Rodríguez-González S; Coto-Montes A; Bobes J. Can interleukin-2 and interleukin-1? be specific biomarkers of negative symptoms in schizophrenia?. Rev Psiquiatr Salud Ment.12 - 1, pp. 9 - 16. 2019.  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 8  
**Total no. authors:** 9
- 2** Magalhães-Novais S; Bermejo-Millo JC; Loureiro R; Mesquita KA; Domingues MR; Maciel E; Melo T; Baldeiras I; Erickson JR; Holy J; Potes Y; Coto-Montes A; Oliveira PJ; Vega-Naredo I. Cell quality control mechanisms maintain stemness and differentiation potential of P19 embryonic carcinoma cells.Autophagy. 16, pp. 1 - 21. 2019.  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 12  
**Total no. authors:** 14
- 3** Potes Y; Pérez-Martínez Z; Bermejo-Millo JC; Rubio-Gonzalez A; Fernandez-Fernández M; Bermudez M; Arche JM; Solano JJ; Boga JA; Oliván M; Caballero B; Vega-Naredo I; Coto-Montes A. Overweight in the Elderly Induces a Switch in Energy Metabolism that Undermines Muscle Integrity.Aging and Disease. 10 - 2, pp. 217 - 230. 2019.  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 13  
**Total no. authors:** 13
- 4** Boga JA; Caballero B; Potes Y; Pérez-Martínez Z; Reiter RJ; Vega-Naredo I; Coto-Montes A. Therapeutic potential of melatonin related to its role as an autophagy regulator: A review. Journal of Pineal Research. 66 - 1, pp. e12534. 2019.  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 7  
**Total no. authors:** 7
- 5** Oliván M; González J; Bassols A; Díaz F; Carreras R; Mainau E; Arroyo L; Peña R; Potes Y; Coto-Montes A; Hollung K; Velarde A. Effect of sex and RYR1 gene mutation on the muscle proteomic profile and main physiological biomarkers in pigs at slaughter. Meat Sci.141, pp. 81 - 90. 2018.  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 10



**Total no. authors:** 12

- 6** Leonardo Palombi; Giuseppe Liotta (On behalf of the A3 Action Group on Frailty and Functional Decline:Ana Coto-Montes. Frailty as the Future Core Business of Public Health: Report of the Activities of the A3 Action Group of the European Innovation Partnership on Active and Healthy Ageing (EIP on AHA). *Int. J. Environ. Res. Public Health*. 15, pp. 2843. 2018.  
**Type of production:** Scientific paper **Format:** Journal
- 7** Bermejo Millo JC; Rodrigues Moreira Guimarães M; de Luxán-Delgado B; Potes Y; Perez-Martinez Z; Díaz-Luis A; Caballero B; Solano JJ; Vega Naredo I; Coto Montes A. High-fructose consumption impairs the redox system and protein quality control in the brain of Syrian hamsters: Therapeutic effects of melatonin. DOI: 10.1007/s12035-018-0967-2. *Molecular Neurobiology*. 2018.  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 10  
**Total no. authors:** 10
- 8** González-Blanco L; García-Portilla MP; García-Álvarez L; de la Fuente-Tomás L; Iglesias García C; Sáiz PA; Rodríguez-González S; Coto-Montes A; Bobes J. Oxidative stress biomarkers and clinical dimensions in first 10 years of schizophrenia. *Rev Psiquiatr Salud Ment*.11 - 3, pp. 130 - 140. 2018.  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 8  
**Total no. authors:** 9
- 9** Rubio-González A; Bermejo-Millo J.C; de Luxán-Delgado B; Potes Y; Pérez-Martínez Z; Boga JA; Vega-Naredo I; Caballero B; Solano JJ; Coto-Montes A. Melatonin Prevents the Harmful Effects of Obesity on the Brain, Including at the Behavioral Level. *Molecular Neurobiology*. DOI: 10.1007/s12035-017-0796-8, 2017.  
**Type of production:** Scientific paper  
**Position of signature:** 10  
**Total no. authors:** 10
- 10** Potes Y; de Luxán-Delgado B; Rodríguez-González S; Rodrigues Moreira Guimarães M; Solano JJ; Fernández-Fernández M; Bermúdez M; Boga JA; Vega-Naredo I; Coto-Montes A. Overweight in elderly people induces impaired autophagy in skeletal muscle. *Free radical biology & medicine*. 110, pp. 31 - 41. 2017.  
**Type of production:** Scientific paper  
**Position of signature:** 10  
**Total no. authors:** 10
- 11** Potes Y; Oliván M; Rubio-González A; de Luxán-Delgado B; Díaz F; Sierra V; Arroyo L; Peña R; Bassols A; González J; Carreras R; Velarde A; Muñoz-Torres M; Coto-Montes A. Pig cognitive bias affects the conversion of muscle into meat by antioxidant and autophagy mechanisms. *Animal*. doi: 10.1017/S1751731117000714, 2017.  
**Type of production:** Scientific paper  
**Position of signature:** 14  
**Total no. authors:** 14 **Corresponding author:** Yes
- 12** Coto Montes A; Boga JA; Bermejo Millo C; Rubio González A; Potes Ochoa Y; Vega Naredo I; Martínez Reig M; Romero Rizos L; Sánchez Jurado PM; Solano JJ; Abizanda P; Caballero B. Potential early biomarkers of sarcopenia among independent older adults.*Maturitas*. 104, pp. 117 - 122. 2017.  
**Type of production:** Scientific paper **Format:** Journal  
**Position of signature:** 1  
**Total no. authors:** 12



- 13** Klionsky DJ, Abdelmohsen K, Abe A, Abedin MJ, Abeliovich H, Acevedo Arozena A, Adachi H, Adams CM, A. Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). *Autophagy*. 12 - 1, pp. 1 - 222. 2016.  
**Type of production:** Scientific paper
- 14** Coto-Montes A; Boga JA; Tan DX; Reiter RJ. Melatonin as a Potential Agent in the Treatment of Sarcopenia. *International Journal of Molecular Sciences*. 17 - 10, 2016.  
**Type of production:** Scientific paper  
**Position of signature:** 1  
**Total no. authors:** 4
- 15** de Luxán-Delgado Beatriz; Potes Y; Rubio-González A; Caballero B; Solano Juan José; Fernández-Fernández María; Bermúdez Manuel; Rodrigues Guimarães Marcela; Vega-Naredo Ignacio; Boga José Antonio; Coto-Montes A. Melatonin reduces endoplasmic reticulum stress and autophagy in liver of leptin-deficient mice. *Journal of Pineal Research*. 61 - 1, pp. 108 - 123. 2016.  
**Type of production:** Scientific paper  
**Position of signature:** 11  
**Total no. authors:** 11  
**Corresponding author:** Yes
- 16** Rubio-González A; Potes Y; Illán-Rodríguez D; Vega-Naredo I; Sierra V; Caballero B; Fàbrega E; Velarde A; Dalmau A; Oliván M; Coto-Montes A. Effect of animal mixing as a stressor on biomarkers of autophagy and oxidative stress during pig muscle maturation. *Animal*. 9 - 7, pp. 1188 - 94. 2015.  
**Type of production:** Scientific paper  
**Position of signature:** 11  
**Total no. authors:** 11  
**Corresponding author:** Yes
- 17** Manchester LC; Coto-Montes A; Boga JA; Andersen LP; Zhou Z; Galano A; Vriend J; Tan DX; Reiter RJ. Melatonin: an ancient molecule that makes oxygen metabolically tolerable. *Journal of Pineal Research*. 59 - 4, pp. 403 - 16. 2015.  
**Type of production:** Scientific paper  
**Position of signature:** 2  
**Total no. authors:** 9
- 18** Beatriz Caballero; Adrian Rubio González; Yaiza Potes Ochoa; Martínez-Reig M; Sánchez-Jurado PM; Romero L; Juan Jose Solano; Pedro Abizanda; Ana Coto Montes. Associations of the antioxidant capacity and hemoglobin levels with functional physical performance of the upper and lower body limbs. *Age (Dordr)*. PMID: 24385217, 2014.  
**Type of production:** Scientific paper  
**Format:** Journal  
**Position of signature:** 9  
**Total no. authors:** 9
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**Format:** Journal

**Position of signature:** 4

**Total no. authors:** 8



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**Position of signature:** 2  
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**Total no. authors:** 6
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- 118** A Coto Montes; R Hardeland. DIURNAL TIME PATTERNS OF PROTEIN CARBONYL IN *DROSOPHILA MELANOGASTER*: COMPARISON OF WILD-TYPES FLIES AND CLOCK MUTANTS. *Biological rhythms and antioxidative protection*. pp. 119 - 126. Cuvillier Verlag, 1997. ISBN 3-89712-025-9  
**Type of production:** Book chapter **Format:** Book
- 119** R Cernuda; MA del Brio; A Coto; P Riera; JM Garcia Fernandez. Celulas sensoriales del organo de la linea lateral de *Gambusia affinis*. Estudio ultraestructural preliminar. *Microscopia Electronica* 92. Universidad de Cadiz, 1992. ISBN 978-84-7786-093-8  
**Type of production:** Book chapter **Format:** Book
- 120** MA del Brio; P Riera; JM Garcia Fernandez; R Cernuda; A Coto. Tipos de tanicitos en el hipotalamo medio del conejo. *Microscopia Electronica* 92. Universidad de Cadiz, 1992. ISBN 978-84-7786-093-8  
**Type of production:** Book chapter **Format:** Book
- 121** Identificación de biomarcadores de calidad en la carne relacionados con el estrés pre-sacrificio. *Avances de investigación en tecnología y ciencia de la carne*.  
**Type of production:** Book chapter

### Works submitted to national or international conferences

- 1** **Title of the work:** Altered mitochondrial function and oxidative stress in skeletal muscle by leptin deficiency. Attenuation by melatonin  
**Name of the conference:** ESCI 2018 - 52nd Annual Scientific Meeting of the European Society for Clinical Investigation  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 30/05/2018  
**End date:** 01/06/2018  
**Organising entity:** ESCI **Type of entity:** Associations and Groups  
Y. Potes; J.C. Bermejo-Millo; A. Díaz-Luis; A. Rubio-González; B. de Luxán-Delgado; J.J. Solano; B. Caballero; A. Coto-Montes; I. Vega-Naredo.
- 2** **Title of the work:** Changes in the redox status of the brain after low level light therapy  
**Name of the conference:** ESCI 2018 - 52nd Annual Scientific Meeting of the European Society for Clinical Investigation  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 30/05/2018  
**End date:** 01/06/2018  
**Organising entity:** ESCI **Type of entity:** Associations and Groups





J.C. Bermejo-Millo; V. García Menéndez; A. Martín Pernía; J.A. Martínez Esteban; H. González Pardo; J.L. Arias; N.M. Conejo; B. Caballero; I. Vega-Naredo; A. Coto-Montes.

- 3** **Title of the work:** Does metabolic syndrome cause hepatic damage? Study of the therapeutic effect of melatonin  
**Name of the conference:** ESCI 2018 - 52nd Annual Scientific Meeting of the European Society for Clinical Investigation  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 30/05/2018  
**End date:** 01/06/2018  
**Organising entity:** ESCI **Type of entity:** Associations and Groups  
A. Díaz-Luis; Y. Potes; I. Menéndez-Valle; L. Fernández-Calleja; B. de Luxán-Delgado; J.J. Solano; I. Vega-Naredo; A. Coto-Montes; B. Caballero.
- 4** **Title of the work:** Leptin deficiency induces inflammation and endoplasmic reticulum stress in brain from ob/ob mice  
**Name of the conference:** ESCI 2018 - 52nd Annual Scientific Meeting of the European Society for Clinical Investigation  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 30/05/2018  
**End date:** 01/06/2018  
**Organising entity:** ESCI **Type of entity:** Associations and Groups  
A. Rubio-González; Y. Potes; J.C. Bermejo-Millo; L. Fernández-Calleja; I. Menéndez-Valle; J.J. Solano; B. Caballero; A. Coto-Montes; I. Vega-Naredo.
- 5** **Title of the work:** Study of systematic-level variations caused by swimming as a model of physical exercise  
**Name of the conference:** ESCI 2018 - 52nd Annual Scientific Meeting of the European Society for Clinical Investigation  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 30/05/2018  
**End date:** 01/06/2018  
**Organising entity:** ESCI **Type of entity:** Associations and Groups  
L. Fernández-Calleja; A. Díaz-Luis; S Rodríguez-González; B. de Luxán-Delgado; A. Rubio-González; I. Menéndez-Valle; B. Caballero; I. Vega-Naredo; A. Coto-Montes.
- 6** **Title of the work:** Alteraciones metabólicas derivadas del sobrepeso. ¿Cuál es su papel en el daño muscular?  
**Name of the conference:** XVI Congreso de la Sociedad Española de Medicina Antienviejimiento y Longevidad  
**Type of event:** Conference  
**Type of participation:** Participatory - invited/keynote **Reasons for participation:** Upon invitation talk  
**City of event:** Madrid, Community of Madrid, Spain  
**Date of event:** 05/10/2017  
**End date:** 07/10/2017  
**Organising entity:** SEMAL **Type of entity:** Associations and Groups



- 7** **Title of the work:** Incorporation of the smartphone and facebook as collaborative learning tools into histology laboratory teaching  
**Name of the conference:** XIX Congreso de la Sociedad Española de Histología e Ingeniería Tisular. IV Congreso Iberoamericano de Histología y VII International Congress of Histology and Tissue Engineering  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Santiago de Compostela, Galicia, Spain  
**Date of event:** 05/09/2017  
**End date:** 08/09/2017  
**Organising entity:** SEHIT  
Ana Coto-Montes; Yaiza Potes; Adrian Rubio-González; Beatriz Caballero; Ignacio Vega- Naredo.
- 8** **Title of the work:** Outline of contents in cell biology by the online working of Google presentations  
**Name of the conference:** XIX Congreso de la Sociedad Española de Histología e Ingeniería Tisular. IV Congreso Iberoamericano de Histología y VII International Congress of Histology and Tissue Engineering  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Santiago de Compostela, Galicia, Spain  
**Date of event:** 05/09/2017  
**End date:** 08/09/2017  
**Organising entity:** SEHIT  
Ana Coto-Montes; Ignacio Vega-Naredo; Juan C. Bermejo-Millo; Zulema Pérez-Martínez; Beatriz Caballero.
- 9** **Title of the work:** Endoplasmatic reticulum stress response during differentiation of P19 embryonic carcinoma cells  
**Name of the conference:** ESCI2017 - 51st Annual Scientific Meeting of the European Society for Clinical Investigation  
**Type of participation:** 'Participatory - poster  
**City of event:** Génova, Italy  
**Date of event:** 17/05/2017  
**End date:** 19/05/2017  
**Organising entity:** ESCI  
J.C. Bermejo-Millo; S. Magalhães-Novais; Katia A. Mesquita; A. Coto-Montes; Paulo J. Oliveira; I. Vega-Naredo.
- 10** **Title of the work:** Melatonin prevents the systemic and cerebral alterations induced by high-fructose intake  
**Name of the conference:** ESCI2017 - 51st Annual Scientific Meeting of the European Society for Clinical Investigation  
**Type of participation:** 'Participatory - poster  
**City of event:** Génova, Italy  
**Date of event:** 17/05/2017  
**End date:** 19/05/2017  
**Organising entity:** ESCI  
J.C. Bermejo-Millo; M. Rodrigues-Moreira-Guimarães; M. García-Macia; S. Rodríguez-González; B. de Luxán-Delgado; B. Caballero; I. Vega-Naredo; A. Coto-Montes.
- 11** **Title of the work:** Melatonin significantly reduces viral load by action on oxidative stress and autophagy, not by melatonin receptors  
**Name of the conference:** ESCI2017 - 51st Annual Scientific Meeting of the European Society for Clinical Investigation  
**Type of participation:** Participatory - oral communication



**City of event:** Génova, Italy

**Date of event:** 17/05/2017

**End date:** 19/05/2017

**Organising entity:** ESCI

Z. Pérez-Martínez; B. Caballero; S. Rodríguez-González; Y. Potes; A. Rubio-González; L. Fernández-Calleja; A. Rodríguez-Guardado; I. Vega-Naredo; A. Coto-Montes; J.A. Boga.

**12 Title of the work:** Overweight induces structural integrity damage in skeletal muscle displayed by an energy metabolism switch

**Name of the conference:** ESCI2017 - 51st Annual Scientific Meeting of the European Society for Clinical Investigation

**Type of participation:** Participatory - oral communication

**City of event:** Génova, Italy

**Date of event:** 17/05/2017

**End date:** 19/05/2017

**Organising entity:** ESCI

Y. Potes; M. Bermúdez; M. Fernández-Fernández; M. Rodrigues-Moreira-Guimarães; A. Rubio-González; Z. Pérez-Martínez; L. Fernández-Calleja; B. Caballero; I. Vega-Naredo; J.J. Solano; A. Coto-Montes.

**13 Title of the work:** Antioxidant activity as an aortic calcification marker in type 2 diabetes and its relation to bone metabolism markers

**Name of the conference:** 44th European Calcified Tissue Society Congress

**Type of participation:** Participatory - poster

**City of event:** Salzburg, Austria

**Date of event:** 13/05/2017

**End date:** 16/05/2017

**Organising entity:** ECTS

Sonia Morales Santana; Ana Coto Montes; Susana Rodríguez González; Beatriz García fontana; Cristina Novo Rodríguez; Verónica Ávila Rubio; Rebeca Reyes García; Antonia García Martín; Josefa León; Pedro Rozas Moreno; Manuel Muñoz Torres.

**14 Title of the work:** Overweight in elderly people induces mitochondrial dysfunction and changes cellular energy capacities

**Name of the conference:** International Conference on Frailty & Sarcopenia Research (ICFSR 2017)

**Type of participation:** Participatory - poster

**City of event:** Barcelona, Catalonia, Spain

**Date of event:** 27/04/2017

**End date:** 29/04/2017

**Organising entity:** ICFSR

Yaiza Potes; Manuel Bermúdez del Moral; Ignacio Vega Naredo; Juan J Solano; Ana Coto Montes. En: The Journal of Frailty & Aging. 6 - 1, pp. 57. ISSN 2260-1341

**15 Title of the work:** Dientamoeba fragilis infection in elderly patients

**Name of the conference:** 27th ECCMID

**Type of participation:** Participatory - poster

**City of event:** Viena, Austria

**Date of event:** 22/04/2017

**End date:** 25/04/2017

**Organising entity:** ESCMID

Jose A Boga; Mercedes Rodriguez-Perez; Jonathan Fernandez-Suarez; Alvaro Leal; Alicia García; Candela Menendez; Fernando Vazquez; Ana Coto-Montes; Azucena Rodriguez-Guardado.



- 16** **Title of the work:** Influence of age in *Dientamoeba fragilis* infection  
**Name of the conference:** 27th ECCMID  
**Type of participation:** 'Participatory - poster  
**City of event:** Viena, Austria  
**Date of event:** 22/04/2017  
**End date:** 25/04/2017  
**Organising entity:** ESCMID  
Azucena Rodriguez-Guardado; Jose A Boga; Candela Menendez; Jonathan Fernandez-Suarez; Mercedes Rodriguez-Perez; Ana Coto-Montes; Alicia GARCía; Fernando Vazquez.
- 17** **Title of the work:** Influence of age of immigrant population on important diseases  
**Name of the conference:** 27th ECCMID  
**Type of participation:** 'Participatory - poster  
**City of event:** Viena, Austria  
**Date of event:** 22/04/2017  
**End date:** 25/04/2017  
**Organising entity:** ESCMID  
Azucena Rodriguez-Guardado; Jose A Boga; Jonathan Fernandez-Suarez; Mercedes Rodriguez-Perez; Candela Menendez; Ana Coto-Montes; Alicia GARCía.
- 18** **Title of the work:** Prognostic factors of mortality and complications of *Clostridium difficile* infection in elderly patients  
**Name of the conference:** 27th ECCMID  
**Type of participation:** 'Participatory - poster  
**City of event:** Viena, Austria  
**Date of event:** 22/04/2017  
**End date:** 25/04/2017  
**Organising entity:** ESCMID  
Jose A Boga; Alicia GARCía; Jonathan Fernandez-Suarez; Mercedes Rodriguez-Perez; Candela Menendez; Christian Sabater; Fernando Vazquez; Ana Coto-Montes; Azucena Rodriguez-Guardado.
- 19** **Title of the work:** La deficiencia de 25 hidroxí-vitamina d está asociada a la enfermedad cardiovascular, a la calcificación vascular y al biomarcador osteogénico esclerostina  
**Name of the conference:** 41 Congreso de la Sociedad Andaluza de Endocrinología, Diabetes y Nutrición  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Granada, Andalusia, Spain  
**Date of event:** 09/02/2017  
**End date:** 11/02/2017  
**Organising entity:** saedyn  
Sonia Morales Santana; Ana Coto Montes; Beatriz García Fontana; Cristina Novo Rodríguez; Verónica Ávila Rubio; Antonia García Martín; Pedro Rozas Moreno; Rebeca Reyes García; Manuel Muñoz Torres.
- 20** **Title of the work:** Effect of post-mortem time on the muscle proteome and its relationship to meat quality and animal welfare  
**Name of the conference:** 6th Congress of the Spanish Proteomics Society  
**Type of participation:** 'Participatory - poster  
**City of event:** Cádiz, Andalusia, Spain  
**Date of event:** 15/11/2016  
**End date:** 18/11/2016  
**Organising entity:** Sociedad Española de Proteómica



Díaz F; Potes Y; González J; Arroyo L; Peña R; Bassols A; Coto-Montes A; Carreras R; Velarde A; Oliván M.

- 21 Title of the work:** Afectación hepática y muscular bajo síndrome metabólico. La melatonina como protector terapéutico  
**Name of the conference:** 7ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of participation:** 'Participatory - poster  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 10/11/2016  
**End date:** 12/11/2016  
**Organising entity:** SEMEG  
A. Díaz; G. Fernández; B. Luxán; S. Rodríguez; Y. Potes; J. C. Bermejo; Z. Pérez; J. A. Boga; J. J. Solano; A. Coto. En: Revista Española de Medicina Geriátrica. Editorial Medica A.W.W.E. S.A./S.L., ISBN 978-950-762-432-2
- 22 Title of the work:** Coronavirus como causante de infecciones respiratorias en una población geriátrica.  
**Name of the conference:** 7ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of participation:** 'Participatory - poster  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 10/11/2016  
**End date:** 12/11/2016  
**Organising entity:** SEMEG  
Z. Pérez; S. Melón; M de Oña; ME Álvarez; A. Rodríguez; I. Vega; J. C. Bermejo; J. J. Solano; A. Coto; J. A. Boga. En: Revista Española de Medicina Geriátrica. Editorial Medica A.W.W.E. S.A./S.L., ISBN 978-950-762-432-2
- 23 Title of the work:** Daños en el citoesqueleto y la reparación celular a nivel cerebral observados ante ausencia de melatonina y obesidad  
**Name of the conference:** 7ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of participation:** 'Participatory - poster  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 10/11/2016  
**End date:** 12/11/2016  
**Organising entity:** SEMEG  
A. Rubio; J.M. Arche; J. Gutiérrez; B. Luxán; S. Rodríguez; J. C. Bermejo; M Fernández; I. Vega; A. Coto; J. J. Solano. En: Revista Española de Medicina Geriátrica. Editorial Medica A.W.W.E. S.A./S.L., ISBN 978-950-762-432-2
- 24 Title of the work:** Efecto del sobrepeso sobre los sistemas de control de calidad proteica en músculo de personas envejecidas  
**Name of the conference:** 7ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of participation:** 'Participatory - poster  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 10/11/2016  
**End date:** 12/11/2016  
**Organising entity:** SEMEG  
Y. Potes; M Fernández; M. Bermúdez; B. Luxán; A. Rubio; A. Díaz; J. C. Bermejo; S. Rodríguez; A. Coto; J. J. Solano. En: Revista Española de Medicina Geriátrica. Editorial Medica A.W.W.E. S.A./S.L., ISBN 978-950-762-432-2



- 25** **Title of the work:** Fractura de cadera en el paciente muy anciano. Descripción y características del estudio HIPFA  
**Name of the conference:** 7ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of participation:** 'Participatory - poster  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 10/11/2016  
**End date:** 12/11/2016  
**Organising entity:** SEMEG  
M. Bermúdez; A. Coto; M. Fernández; Y. Potes; G. Guzman; B. de Luxán; J. J. Solano. En: Revista Española de Medicina Geriátrica. Editorial Medica A.W.W.E. S.A./S.L., ISBN 978-950-762-432-2
- 26** **Title of the work:** Incremento de la hiperfosforilación de tau en un modelo de obesidad y envejecimiento por ausencia de melatonina  
**Name of the conference:** 7ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of participation:** 'Participatory - poster  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 10/11/2016  
**End date:** 12/11/2016  
**Organising entity:** SEMEG  
A. Rubio; L. Morán; J. M. Arche; J. Gutierrez; B. Luxán; S. Rodríguez; I. Vega; Z. Pérez; A. Coto; J. J. Solano. En: Revista Española de Medicina Geriátrica. Editorial Medica A.W.W.E. S.A./S.L., ISBN 978-950-762-432-2
- 27** **Title of the work:** Infección por Clostridium difficile en Asturias  
**Name of the conference:** 7ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of participation:** 'Participatory - poster  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 10/11/2016  
**End date:** 12/11/2016  
**Organising entity:** SEMEG  
J. Fernández; A. Rodríguez; O. Izquierdo; M. Gómez; S. Rojo; Y. Potes; A. Díaz; J.J. Solano; A. Coto; J.A. Boga. En: Revista Española de Medicina Geriátrica. Editorial Medica A.W.W.E. S.A./S.L., ISBN 978-950-762-432-2
- 28** **Title of the work:** Modificaciones en biomarcadores de fragilidad como factores predictores de respuesta a tratamiento en sujetos ancianos  
**Name of the conference:** 7ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 10/11/2016  
**End date:** 12/11/2016  
**Organising entity:** SEMEG  
En: Revista Española de Medicina Geriátrica. Editorial Medica A.W.W.E. S.A./S.L., ISBN 978-950-762-432-2
- 29** **Title of the work:** Velocidad de marcha tras fractura de cadera en el paciente muy anciano. Estudio HIPFA  
**Name of the conference:** 7ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of participation:** 'Participatory - poster  
**City of event:** Santander, Cantabria, Spain  
**Date of event:** 10/11/2016  
**End date:** 12/11/2016  
**Organising entity:** SEMEG





M. Bermúdez; A. Coto; M. Fernández; Y. Potes; G. Guzman; B. de Luxán; J. J. Solano. En: Revista Española de Medicina Geriátrica. Editorial Medica A.W.W.E. S.A./S.L., ISBN 978-950-762-432-2

- 30** **Title of the work:** Leptin deficiency induces protein damage and impairs protein repair systems in brain form ob/ob mice  
**Name of the conference:** 10th Congress of the Spanish Federation of Biotechnologists. bac Asturias 2016  
**Type of participation:** 'Participatory - poster  
**City of event:** Gijón, Principality of Asturias, Spain  
**Date of event:** 13/07/2016  
**End date:** 15/07/2016  
**Organising entity:** asbas / FEBiotec  
Adrian Rubio González; Beatriz de Luxán Delgado; Yaiza Potes Ochoa; Marcela Rodrigues Moreira; Andrea Díaz Luis; Jose Antonio Boga; Ana Coto Montes; Juan José Solano.
- 31** **Title of the work:** Melatonin treatment reduces muscle damage due to its indirect antioxidant action in ob/ob mice  
**Name of the conference:** 10th Congress of the Spanish Federation of Biotechnologists. bac Asturias 2016  
**Type of participation:** 'Participatory - poster  
**City of event:** Gijón, Principality of Asturias, Spain  
**Date of event:** 13/07/2016  
**End date:** 15/07/2016  
**Organising entity:** asbas / FEBiotec  
Yaiza Potes Ochoa; Beatriz de Luxán Delgado; Susana Rodríguez González; Judith García Cabrero; Manuel Bermúdez; Ignacio Vega Naredo; Ana Coto Montes.
- 32** **Title of the work:** Neuroprotective effects of melatonin against the damage induced by high-fructose diet on syriam hamsters  
**Name of the conference:** 10th Congress of the Spanish Federation of Biotechnologists. bac Asturias 2016  
**Type of participation:** 'Participatory - poster  
**City of event:** Gijón, Principality of Asturias, Spain  
**Date of event:** 13/07/2016  
**End date:** 15/07/2016  
**Organising entity:** asbas / FEBiotec  
Juan Carlos Bermejo Millo; Yaiza Potes Ochoa; Beatriz de Luxán Delgado; Adrian Rubio González; Susana Rodríguez González; Ana Coto Montes; Marcela R. M. Guimaraes.
- 33** **Title of the work:** Resultados de un programa de cribado sistemático de enfermedades importadas en población inmigrante VIH positiva  
**Name of the conference:** VII Congreso Nacional GeSIDA  
**Type of participation:** 'Participatory - poster  
**City of event:** Madrid, Community of Madrid, Spain  
**Date of event:** 01/12/2015  
**End date:** 04/12/2015  
A. Martínez Zapico; J Rugeles; J. Fernández; M Rodríguez; J.A. Boga; D. Caravia; A. Coto Montes; A. Rodríguez Guardado.
- 34** **Title of the work:** SERUM BIOMARKERS FOR AGE-RELATED LOSS OF MUSCLE MASS AND FUNCTION IN INDEPENDENT OLDER ADULTS  
**Name of the conference:** ISANH Antioxidants 2015  
**City of event:** París, France  
**Date of event:** 22/06/2015  
**End date:** 24/06/2015



**Organising entity:** Institut Pasteur

**City organizing entity:** France

COTO-MONTES ANA; BOGA JOSÉ-ANTONIO; RUBIO-GONZÁLEZ ADRIÁN; POTES YAIZA; DE LUXAN-DELGADO BEATRIZ; MARTÍNEZ-REIG MARTA; , JUNCOS-MARTÍNEZ GEMA; NAVARRO-LÓPEZ JOSÉ-LUIS; SOLANO JUAN-JOSÉ; ABIZANDA PEDRO; CABALLERO BEATRIZ. "Póster".

**35 Title of the work:** EFECTO DE LA MELATONINA EN UN MODELO ANIMAL DE SÍNDROME METABÓLICO

**Name of the conference:** 6ª Reunión Nacional SEMEG

**City of event:** Pamplona, Foral Community of Navarre, Spain

**Date of event:** 24/04/2014

**End date:** 26/04/2014

**Organising entity:** SEMEG

García M; De Luxán B; Rubio A; Fernández M; González A; Saavedra O; Solano JJ; Coto-Montes A. "Póster".

**36 Title of the work:** EFECTOS DEL ESTRÉS OXIDATIVO EN EL DAÑO MUSCULAR POR OBESIDAD. POTENCIALES MITIGADORES

**Name of the conference:** 6ª Reunión Nacional SEMEG

**Type of participation:** Participatory - oral communication

**City of event:** Pamplona, Foral Community of Navarre, Spain

**Date of event:** 24/04/2014

**End date:** 26/04/2014

**Organising entity:** SEMEG

Rodríguez I; Bermúdez M; Potes Y; Rubio A; Roa P; Arche JM; García M; Caballero B; Solano JJ; Coto-Montes A.

**37 Title of the work:** LA MELATONINA REDUCE LA LIPOGÉNESIS EN EL HÍGADO DE RATONES OBESOS

**Name of the conference:** 6ª Reunión Nacional SEMEG

**City of event:** Pamplona, Foral Community of Navarre, Spain

**Date of event:** 24/04/2014

**End date:** 26/04/2014

**Organising entity:** SEMEG

De Luxán B; Bermúdez M; Gutiérrez J; Roa P; Fernández M; Arche JM; González A; Saavedra O; Solano JJ; Coto-Montes A. "Póster".

**38 Title of the work:** La melatonina actúa como antioxidante directo e indirecto en el hígado de los ratones ob/ob

**Name of the conference:** 6ª Reunión Nacional SEMEG

**City of event:** Pamplona, Foral Community of Navarre, Spain

**Date of event:** 24/04/2014

**End date:** 26/04/2014

**Organising entity:** SEMEG

Caballero B; Potes Y; Rubio-González A; Rodríguez I; Gutiérrez-Rodríguez J; Solano JJ; Coto-Montes A. "Póster".

**39 Title of the work:** Melatonin treatment downregulates autophagy in the liver of OB/OB mice

**Name of the conference:** ICFSR 2014 International Conference on Frailty & Sarcopenia Research

**Type of event:** Conference

**City of event:** Barcelona, Catalonia, Spain

**Date of event:** 12/03/2014



**End date:** 14/03/2014

**Organising entity:** ICFSR

Beatriz de Luxán Delgado; Beatriz Caballero; Yaiza Potes Ochoa; Adrian Rubio González; Rodríguez I; Gutiérrez-Rodríguez J; Juan José Solano Jaurrieta; Ana Coto Montes. "Póster". En: The Journal of Frailty & Aging. 3 - 1, pp. 46. 2014. ISSN 2260-1341

- 40** **Title of the work:** Chronic training increases blood oxidative damage but promotes health in elderly men  
**Name of the conference:** 47th Annual Scientific Meeting of the European Society for Clinical Investigation  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Albufeira, Portugal  
**Date of event:** 17/04/2013  
**End date:** 20/04/2013  
**Organising entity:** European Society for Clinical Investigation  
Rodríguez-Colunga MJ; Suárez FM; David de Gonzalo Calvo; Fernández-García B; Beatriz de Luxán Delgado; Susana Rodríguez González; Marina García Macia; Yaiza Potes Ochoa; Adrian Rubio González; Solano JJ; Ana Coto Montes. 1, pp. 56. ISSN 0014-2972
- 41** **Title of the work:** OXIDATIVE STRESS AND FRAILTY. EFFECTS OF PHYSIOLOGICAL EXERCISE IN ELDERLY  
**Name of the conference:** 47th Annual Scientific Meeting of the European Society for Clinical Investigation  
**Type of event:** Conference  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Albufeira, Portugal  
**Date of event:** 17/04/2013  
**End date:** 20/04/2013  
**Organising entity:** European Society for Clinical Investigation
- 42** **Title of the work:** SESSION II. REDOX IN AGING AND DISEASE  
**Name of the conference:** 47th Annual Scientific Meeting of the European Society for Clinical Investigation  
**Type of event:** Conference  
**Type of participation:** Participatory - others      **Reasons for participation:** Upon invitation  
**City of event:** Albufeira, Portugal  
**Date of event:** 17/04/2013  
**End date:** 20/04/2013  
**Organising entity:** European Society for Clinical Investigation
- 43** **Title of the work:** Autophagic processes along the estrous cycle of the golden hamster  
**Name of the conference:** EMBO Young Scientists' Forum (EYSF)  
**Type of event:** Conference      **Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**City of event:** Estambul, Turkey  
**Date of event:** 14/06/2012  
**End date:** 16/06/2012  
**Organising entity:** EMBO      **Type of entity:** Público
- 44** **Title of the work:** Analysis of constant tissue remodeling in syrian hamster harderian gland: the migratory phenotype. García Macias, M ;Coto Montes, A ;Caballero, Beatriz ;Sierra, V ;deGonzalez Clavo, D ;Rodríguez Colunga, MJ ;Vega Naredo, I  
**Name of the conference:** IV Spanish and Portuguese meeting on free radicals: Redox signalling and oxidative stress in health and disease,  
**Type of event:** Conference      **Geographical area:** European Union



**Type of participation:** 'Participatory - poster

**City of event:** Valencia, Spain

**Date of event:** 05/06/2012

**End date:** 07/06/2012

**Organising entity:** Grupo Español de Investigación en radicales libres (GEIRLI), Sociedade Portuguesa de Bioquímica (SPB), Reactive Oxygen Species and Systems (Rosasnet)

- 45** **Title of the work:** FRAGILIDAD Y COMORBILIDAD: FRAGILIDAD COMO MARCADOR PRONÓSTICO EVOLUTIVO Y RESPUESTA TERAPÉUTICA  
**Name of the conference:** 5ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of event:** Conference  
**Reasons for participation:** Mesa Redonda  
**City of event:** Toledo, Spain  
**Date of event:** 12/04/2012  
**End date:** 13/04/2012  
**Organising entity:** Sociedad Española de Medicina Geriátrica (SEMEG)
- 46** **Title of the work:** MARCADORES DE RESPUESTA AL EJERCICIO FÍSICO Y FRAGILIDAD  
**Name of the conference:** 5ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Toledo, Spain  
**Date of event:** 12/04/2012  
**End date:** 13/04/2012  
**Organising entity:** Sociedad Española de Medicina Geriátrica (SEMEG)
- 47** **Title of the work:** Marcadores de estrés oxidativo en eritrocitos de ancianos con insuficiencia cardíaca de Asturias. B. de Luxan, C. Lombardía, D de Gonzalo, M Garcia, S Rodriguez, A. Rubio, JJ Solano, I. Vega, A. Coto-Montes.  
**Name of the conference:** 5ª Reunión Nacional de la Sociedad Española de Medicina Geriátrica (SEMEG)  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Toledo, Spain  
**Date of event:** 12/04/2012  
**End date:** 13/04/2012  
**Organising entity:** Sociedad Española de Medicina Geriátrica (SEMEG)
- 48** **Title of the work:** Respuesta inflamatoria y biomarcadores de fragilidad. Coto-Montes A  
**Name of the conference:** XII Congreso de la Sociedad Castellano-Manchega de Geriatria y Gerontologia: "Fragilidad y Sarcopenia"  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Albacete, Spain  
**Date of event:** 02/03/2012  
**End date:** 03/03/2012  
**Organising entity:** Sociedad Castellano-Manchega de Geriatria y Gerontologia
- 49** **Title of the work:** Cellular and serological Inflammatory biomarkers of cardiovascular disease in elderly.de Luxan-Delgado B,de Gonzalo-Calvo D,Suarez FM,Solano JJ,Rodriguez- Colunga MJ,Coto-Montes A  
**Name of the conference:** 7th Congress of the European Union Geriatric Medicine Society  
**Type of event:** Conference **Geographical area:** European Union



**Type of participation:** 'Participatory - poster  
**City of event:** Málaga, Spain  
**Date of event:** 28/09/2011  
**End date:** 30/09/2011  
**Organising entity:** Sociedad Española de Geriátría y Gerontología  
46, pp. 24 - 206. ISSN 1878-7659

- 50** **Title of the work:** Inflammatory biomarkers of all-cause 1-year mortality in institutionalized elderly population. de Gonzalo-Calvo D, de Luxan-Delgado B, Suarez FM, Solano JJ, Rodriguez- Colunga MJ, Coto-Montes A  
**Name of the conference:** 7th Congress of the European Union Geriatric Medicine Society  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**City of event:** Málaga, Spain  
**Date of event:** 28/09/2011  
**End date:** 30/09/2011  
**Organising entity:** Sociedad Española de Geriátría y Gerontología.  
46, pp. 24 - 206. ISSN 1878-7659
- 51** **Title of the work:** Defective adaptation of erythrocytes during acute hypoxia injury in an elderly population. de Gonzalo-Calvo D, Neitzert K, Fernandez M, Vega. Naredo I, Caballero B, Garcia- Macia M, de Luxan-Delgado B, Suarez FM, Rodriguez-Colunga MJ, Solano JJ, Coto-Montes A  
**Name of the conference:** 45th Annual Scientific Meeting of ESCI  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**City of event:** Creta, Greece  
**Date of event:** 13/04/2011  
**End date:** 16/04/2011  
**Organising entity:** European Society for Clinical Investigation (ESCI)  
41, pp. 3 - 22. ISSN 0014-2972
- 52** **Title of the work:** Melatonin induces neural superoxide dismutase 2 expression independent of the nuclear factor kappaB pathway and improves the mitochondrial population and function in old mice. Garcia-Macia M, Vega-Naredo I, de Gonzalo-Calvo D, Rodriguez-Gonzalez S, de Luxan-Delgado B, Camello PJ, Camello-Almaraz C, Martin-Cano FE, Rodriguez- Colunga MJ, Pozo MJ, Coto-Montes A  
**Name of the conference:** 45th Annual Scientific Meeting of ESCI  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**City of event:** Creta, Greece  
**Date of event:** 13/04/2011  
**End date:** 16/04/2011  
**Organising entity:** European Society for Clinical Investigation (ESCI) **Type of entity:** Público  
41, pp. 3 - 22. ISSN 0014-2972
- 53** **Title of the work:** Autophagic processes are involved in meat tenderization. Garcia-Macia M, Sierra V, Vega-Naredo I, de Gonzalo-Calvo D, Rodriguez- Gonzalez S, de Luxan-Delgado B, Palanca A, Rodriguez-Colunga MJ, Olivan M, Coto-Montes A  
**Name of the conference:** Farm Animal Proteomics  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Glasgow, United Kingdom





**Date of event:** 31/03/2011

**End date:** 01/01/2011

**Organising entity:** European Cooperation in Science and Technology (COST)

- 54** **Title of the work:** Post-mortem proteomic changes in bovine meat from different biotypes showing distinct tenderization rate. Sierra V, Fernandez-Suarez V, Castro P, Osoro K, Rodriguez-Colunga MJ, Vega- Naredo I, Garcia-Macia M, Coto-Montes A, Oliván M  
**Name of the conference:** Farm Animal Proteomics  
**Type of event:** Conference  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Glasgow, United Kingdom  
**Date of event:** 31/03/2011  
**End date:** 01/01/2011  
**Organising entity:** European Cooperation in Science and Technology (COST)
- 55** **Title of the work:** Deleterious profile of emergent geriatric biomarkers in elderly population with cardiovascular disease. de Luxan B., de Gonzalo-Calvo D., Rodriguez-Gonzalez S., García-Macía M., Suárez FM, Rodriguez-Colunga MJ, Coto-Montes A  
**Name of the conference:** Envejecimiento: La investigación en España y Europa.  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Madrid, Spain  
**Date of event:** 09/03/2011  
**End date:** 11/03/2011  
**Organising entity:** Ministerio de Ciencia e Innovación; Ministerio de Sanidad, Política Social e Igualdad; FuturAGE  
**City organizing entity:** Madrid, Spain
- 56** **Title of the work:** Emergent geriatric biomarkers of one year all-causes hospitalization in institutionalized elderly population. de Gonzalo-Calvo, de Luxan-Delgado B, Rodriguez-Gonzalez S, Garcia-Macia M, Suarez FM, Solano JJ, Rodriguez-Colunga MJ, Coto-Montes A  
**Name of the conference:** Envejecimiento: La investigación en España y Europa.  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Madrid, Spain  
**Date of event:** 09/03/2011  
**End date:** 11/03/2011  
**Organising entity:** Ministerio de Ciencia e Innovación; Ministerio de Sanidad, Política Social e Igualdad; FuturAGE  
**City organizing entity:** Madrid, Spain
- 57** **Title of the work:** IMPLICATION DES GLANDES DE HARDER DANS LE RHYTHME NYCTHEMERAL CHEZ DEUX RONGEURS DESERTICOLES, L'UN DIURNE: Psammomys obesus, L'AUTRE NOCTURNE: Gerbillus tarabulis  
**Name of the conference:** 2eme Congres Franco-Maghrebin de Zoologie  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Zarzis, Tunisia  
**Date of event:** 04/11/2010  
**End date:** 09/11/2010  
**Organising entity:** Societe Zoologique de France





- 58** **Title of the work:** Tenderización post-mortem de la carne de los distintos biotipos amparados por la IGP "Ternera Asturiana". Sierra V, Fernandez-Suarez V, Castro P, Osoro K, Rodriguez-Colunga MJ, Vega- Naredo I, Garcia-Macia M, Coto-Montes A  
**Name of the conference:** VII Congreso Iberico sobre recursos geneticos animales  
**Type of event:** Conference  
**Type of participation:** Participatory - oral communication  
**City of event:** Gijón, Principality of Asturias, Spain  
**Date of event:** 16/09/2010  
**End date:** 18/09/2010  
**Organising entity:** La Sociedad Española de Recursos Genéticos Animales (SERGA) y la Sociedad
- 59** **Title of the work:** Hallmarks of Alzheimer's disease in senescence accelerated mice P8: an in vivo and in vitro approach. Pallàs M, Cristòfol M, Gutiérrez-Cuesta J, García-Matas S, Tajés M, de Cabo R, Camins A, Coto-Montes A, Sanfeliu C  
**Name of the conference:** 1st World Congress on Controversies in Longevity, Health and Aging  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Barcelona, Catalonia, Spain  
**Date of event:** 24/06/2010  
**End date:** 27/10/2010  
**Organising entity:** The Academy for Clinical Debates & Controversies in Medicine  
**Type of entity:** Público  
**City organizing entity:** Barcelona, Catalonia, Spain
- 60** **Title of the work:** Alteración del perfil de citoquinas proinflamatorias en población anciana con deterioro funcional severo. De Gonzalo-Calvo D, García-Macía M, Solano-Jaurrieta JJ, Rodríguez-Colunga MJ, Coto-Montes A, Suárez-García FM  
**Name of the conference:** 52 Congreso de la Sociedad Española de Geriatria y Gerontología  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Valladolid, Castile and León, Spain  
**Date of event:** 02/06/2010  
**End date:** 05/06/2010  
**Organising entity:** Sociedad Española de Geriatria y Gerontología  
**Type of entity:** Pública
- 61** **Title of the work:** Influencia del ejercicio físico regular sobre biomarcadores de enfermedad y muerte en población anciana. Fernández-García B, De Gonzalo-Calvo D, Suárez-García FM, Rodríguez-Colunga MJ, Coto-Montes A, Solano-Jaurrieta JJ  
**Name of the conference:** 52 Congreso de la Sociedad Española de Geriatria y Gerontología  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Valladolid, Spain  
**Date of event:** 02/06/2010  
**End date:** 05/06/2010  
**Organising entity:** Sociedad Española de Geriatria y Gerontología  
**Type of entity:** Pública
- 62** **Title of the work:** La respuesta antioxidante es insuficiente en individuos de edad avanzada con deterioro funcional severo. De Gonzalo-Calvo D, Suárez-García FM, García-Macia M, Solano-Jaurrieta JJ, Rodríguez-Colunga MJ, Coto-Montes A  
**Name of the conference:** 52 Congreso de la Sociedad Española de Geriatria y Gerontología



**Type of event:** Conference

**Type of participation:** 'Participatory - poster

**City of event:** Valladolid, Spain

**Date of event:** 02/06/2010

**End date:** 05/06/2010

**Organising entity:** Sociedad Española de Geriátría y Gerontología  
**Type of entity:** Pública

- 63** **Title of the work:** Lipid peroxides activate NF-KB pathway in old mice under redox balance disruption. García-Macia M, Vega-Naredo I, de Gonzalo-Calvo D, Rodríguez-González SM, Camello PJ, Camello-Almaraz C, Martín-Cano FE, Rodríguez-Colunga MJ, Pozo MJ, Coto-Montes A  
**Name of the conference:** International Courses on Toxicology 2010: "Survival or Death as a Matter of Fat"  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** Participatory - oral communication  
**City of event:** Coimbra, Portugal  
**Date of event:** 11/05/2010  
**End date:** 14/05/2010  
**Organising entity:** Center for Neuroscience (University of Coimbra); Sociedade Portuguesa de Bioquímica  
**City organizing entity:** Coimbra, Portugal
- 64** **Title of the work:** El deterioro funcional está íntimamente asociado con un incremento del daño oxidativo en población anciana. De Gonzalo-Calvo D, Suárez FM, Vega-Naredo I, García-Macia M, Rodríguez-González SM, Solano JJ, Fernández B, Rodríguez-Colunga MJ, Coto-Montes A  
**Name of the conference:** 4º Reunión Nacional de la Sociedad Española de Medicina Geriátrica  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Salamanca, Spain  
**Date of event:** 14/04/2010  
**End date:** 16/04/2010  
**Organising entity:** Sociedad Española de Medicina Geriátrica (SEMEG)
- 65** **Title of the work:** La fragilidad está asociada con la alteración de biomarcadores hematológicos e inflamatorios en población envejecida. De Gonzalo-Calvo D, Suárez FM, Vega-Naredo I, García-Macia M, Rodríguez-González SM, Fernández B, Rodríguez-Colunga MJ, Coto-Montes A, Solano JJ  
**Name of the conference:** 4º Reunión Nacional de la Sociedad Española de Medicina Geriátrica  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Salamanca, Spain  
**Date of event:** 14/04/2010  
**End date:** 16/04/2010  
**Organising entity:** Sociedad Española De Medicina Geriátrica (SEMEG)
- 66** **Title of the work:** Papel beneficioso del ejercicio regular sobre el estado inflamatorio crónico asociado al envejecimiento. De Gonzalo-Calvo D, Suárez FM, Vega-Naredo I, García-Macia M, Rodríguez-González SM, Fernández B, Rodríguez-Colunga MJ, Coto-Montes A, Solano JJ  
**Name of the conference:** 4º Reunión Nacional de la Sociedad Española de Medicina Geriátrica  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** Participatory - oral communication  
**City of event:** Salamanca, Spain  
**Date of event:** 14/04/2010  
**End date:** 16/04/2010  
**Organising entity:** Sociedad Española de Medicina Geriátrica (SEMEG).



- 67** **Title of the work:** A novel action for melatonin: P53-mediated promotion of autophagy. Vega-Naredo I, Coto-Montes A, Oliveira PJ  
**Name of the conference:** XL Reunião Da Sociedade Portuguesa de Farmacologia  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**City of event:** Porto, Portugal  
**Date of event:** 02/12/2009  
**End date:** 04/12/2009  
**Organising entity:** Laboratório Farmacologia e Laboratório de Toxicologia; Faculta de Farmácia; Universidade do Porto  
**City organizing entity:** Porto, Portugal
- 68** **Title of the work:** Efecto del estrés oxidativo sobre mediadores inflamatorios en procesos hipoxemicos. De Gonzalo-Calvo D, Suárez-García F, Coto-Montes A, Fernández-Fernández M, Solano-Jaurrieta JJ  
**Name of the conference:** 51º Congreso de la Sociedad Española de Geriatria y Gerontología  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** Participatory - oral communication  
**City of event:** Bilbao, Basque Country, Spain  
**Date of event:** 03/06/2009  
**End date:** 06/06/2009  
**Organising entity:** Sociedad Española de Geriatria y **Type of entity:** Pública Gerontología
- 69** **Title of the work:** La defensa antioxidante decae en personas ancianas en situaciones hipoximicas. De Gonzalo-Calvo D, Suárez-García F, Coto-Montes A, Fernández-Fernández M, Solano-Jaurrieta JJ  
**Name of the conference:** 51º Congreso de la Sociedad Española de Geriatria y Gerontología  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Bilbao, Basque Country, Spain  
**Date of event:** 03/06/2009  
**End date:** 06/06/2009  
**Organising entity:** Sociedad Española de Geriatria y **Type of entity:** Pública Gerontología
- 70** **Title of the work:** Alterations in antioxidant defense due to hypoxia in human age-related population. D de Gonzalo Calvo; K Neitzert; Beatriz Caballero; I Vega Naredo; C Huidobro Fernandez; D Tolivia; MJ Rodriguez Colunga; JJ Solano; FM Suarez; A Coto Montes  
**Name of the conference:** XXXV Congress of the Spanish Society of Physiological Sciences  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Valencia, Spain  
**Date of event:** 17/02/2009  
**End date:** 20/02/2009  
**Organising entity:** SOCIEDAD ESPAÑOLA DE CIENCIAS FISIOLÓGICAS  
83, pp. 195 - 667. Official Journal of the Federation of European Physiological Societies (Acta Physiologica),  
**Legal deposit:** V-253-2009
- 71** **Title of the work:** Oxidative stress modulates autophagic cell death by NF-kB and p53 in Syrian hamster harderian gland. Vega-Naredo I, Caballero B, Huidobro-Fernández C, de Gonzalo-Calvo D, Neitzert K, Tolivia D, Rodriguez Colunga MJ, Coto-Montes A



**Name of the conference:** XXXV Congress of the Spanish Society of Physiological Sciences  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Valencia, Spain,  
**Date of event:** 17/02/2009  
**End date:** 20/02/2009  
**Organising entity:** SOCIEDAD ESPAÑOLA DE CIENCIAS FISIOLÓGICAS  
En: Official Journal of the Federation of European Physiological Societies (Acta Physiologica). 108, pp. 195 - 667. 2009.  
**Legal deposit:** V-253-2009

**72 Title of the work:** ROLE OF OXIDATIVE STRESS AND MELATONIN IN NEURODEGENERATION ALONG AGING IN SAMP8 MICE

**Name of the conference:** XXXV Congress of the Spanish Society of Physiological Sciences  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain,  
**Date of event:** 17/02/2009  
**End date:** 20/02/2009  
**Organising entity:** SOCIEDAD ESPAÑOLA DE CIENCIAS FISIOLÓGICAS  
Caballero B; Coto-Montes A. En: Official Journal of the Federation of European Physiological Societies (Acta Physiologica). 108, pp. 195 - 667. 2009.  
**Legal deposit:** V-253-2009

**73 Title of the work:** Incremento del daño oxidativo y la inflamación debido a la hipoxia en población envejecida. de Gonzalo-Calvo D, Neitzert K, Vega-Naredo I, Caballero B, Huidobro-Fernández C, Solano JJ, Suárez FM, Rodríguez-Colunga MJ, Coto-Montes A

**Name of the conference:** 7th International Congress of Anti-aging Medicine  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** Participatory - oral communication  
**City of event:** Valencia, Spain  
**Date of event:** 02/10/2008  
**End date:** 05/10/2008  
**Organising entity:** Sociedad Española de Medicina Anti-envejecimiento y Longevidad (SEMAL)  
12, pp. 47.

**74 Title of the work:** Diferente efecto de la melatonina sobre la activación NF-kappa B en ratones de senescencia acelerada SAMR1 y SAMP8. Caballero B, Vega-Naredo I, Huidobro-Fernández C, Soria-Valles C, De Gonzalo-Calvo D, Solano JJ, Suárez FM, Tolivia D, Rodríguez-Colunga MJ, Coto-Montes A

**Name of the conference:** 3rd Meeting of the Spanish Society of Geriatric Medicine  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Oviedo (Asturias), Spain  
**Date of event:** 16/04/2008  
**End date:** 18/04/2008  
**Organising entity:** Sociedad Española de Medicina Geriátrica (SEMEG)

**75 Title of the work:** Estudio preliminar de variables predictivas de uso de servicios hospitalarios y dependencia en personas mayores con episodios de hipoxemia. Influencia de los factores biológicos y funcionales. De Gonzalo-Calvo D, Santianes J, Caballero B, Vega-Naredo I, Huidobro-Fernández C, Soria-Valles C, Tolivia D, Rodríguez-Colunga M.J, Coto-Montes A, Solano JJ, Suárez FM

**Name of the conference:** 3rd Meeting of the Spanish Society of Geriatric Medicine



**Type of event:** Conference

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**City of event:** Oviedo (Asturias), Spain

**Date of event:** 16/04/2008

**End date:** 18/04/2008

**Organising entity:** Sociedad Española de Medicina Geriátrica (SEMEG)

**76 Title of the work:** Los astrocitos de ratones samp8 tienen reducida su capacidad neuroprotectora.

**Name of the conference:** 3rd Meeting of the Spanish Society of Geriatric Medicine

**Type of event:** Conference

**Geographical area:** National

**Type of participation:** 'Participatory - poster

**City of event:** Oviedo (Asturias), Spain

**Date of event:** 16/04/2008

**End date:** 18/04/2008

**Organising entity:** Sociedad Española de Medicina Geriátrica (SEMEG)

**77 Title of the work:** Chronic melatonin treatment reduces age-dependent rigidity in mitochondrial membranes in the brain of senescence-accelerated mice. Pinol-Ripoll G, Acuña-Castroviejo D, Coto-Montes A, Garcia JJ

**Name of the conference:** 6th Annual Meeting of the American-Academy-of-Neurology

**Type of event:** Conference

**Geographical area:** Non EU International

**Type of participation:** Participatory - invited/keynote talk

**City of event:** Chicago, United States of America

**Date of event:** 12/04/2008

**End date:** 19/04/2008

**Organising entity:** American-Academy-of-Neurology

70 - 11, pp. 329 - 330. ISSN 1471-2377

**78 Title of the work:** Chronic administration of melatonin in drinking water decreases sinaptosomal rigidity in senescence-accelerated mice. Pinol-Ripoll G, Acuña-Castroviejo D, Garcia JJ, Coto-Montes A

**Name of the conference:** 6th Annual Meeting of the American-Academy-of-Neurology

**Type of event:** Conference

**Geographical area:** Non EU International

**Type of participation:** 'Participatory - poster

**City of event:** Chicago, United States of America

**Date of event:** 12/04/2008

**End date:** 19/04/2008

**Organising entity:** American-Academy-of-Neurology

70 - 11, pp. 99 - 99. ISSN 1471-2377

**79 Title of the work:** Chaperone-mediated autophagy vs macroautophagy in Golden hamster Harderian gland: a gender-related adaptation to different oxidative stress status. Vega-Naredo I, Caballero B, Huidobro-Fernández C, Soria-Valles C, de Gonzalo-Calvo David, Tolivia D, Rodríguez-Colunga MJ, Coto-Montes A

**Name of the conference:** Third intracellular proteolysis meeting of The Biochemical Society

**Type of event:** Conference

**Geographical area:** European Union

**Type of participation:** 'Participatory - poster

**City of event:** Santa Cruz de Tenerife,

**Date of event:** 05/03/2008

**End date:** 07/03/2008

**Organising entity:** The Biochemical Society/INPROTEOLYS network





- 80** **Title of the work:** Proteolytic activities are altered in brain of senescence accelerated mice at 10 month-old. Caballero B, Vega-Naredo I, Huidobro-Fernández C, Soria-Valles C, de Gonzalo- Calvo D, Rodríguez-Colunga MJ, Coto-Mones A  
**Name of the conference:** Third intracellular proteolysis meeting of The Biochemical Society  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**City of event:** Santa Cruz de Tenerife, Spain  
**Date of event:** 05/03/2008  
**End date:** 07/03/2008  
**Organising entity:** The Biochemical Society/INPROTEOLYS network
- 81** **Title of the work:** Astrocytes cultured from neonatal SAMP8 mice show aging-related dysfunctions and a reduced neuroprotective capacity. Garcia-Matas S, Gutierrez-Cuesta J, Rubio-Acero R, Díez-Vives C, Coto-Montes A, Camins A, Pallas M, Sanfeliu C, Cristofol R  
**Name of the conference:** Glial cells in health and disease  
**Type of event:** Conference  
**Type of participation:** 'Participatory - poster  
**City of event:** Londres, United Kingdom  
**Date of event:** 04/09/2007  
**End date:** 08/09/2007  
**Organising entity:** VIII European Meeting on glial cells in health disease  
2 - 1, pp. 70 - 0. ISSN 1740-925X
- 82** **Title of the work:** Efecto Oxidativo Cerebelar por exposición a ácido aminolevulínico. Cuestionable efecto de la melatonina. Huidobro-Fernández C, Vega-Naredo I, Caballero B, Sierra-Sánchez V, Soria-Valles C, Tolivia D, Rodríguez-Colunga MJ, Coto-Montes A  
**Name of the conference:** XII Congress of the Spanish Society of Cell Biology  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Pamplona, Spain  
**Date of event:** 02/07/2007  
**End date:** 05/07/2007  
**Organising entity:** SOCIEDAD ESPAÑOLA DE BIOLOGIA CELULAR
- 83** **Title of the work:** Estado oxidativo de la glándula de Harder de Spalax judaei en condiciones de normoxia. Soria-Valles C, Vega-Naredo I, Sierra-Sánchez V, Huidobro-Fernández C, Tolivia D, Rodríguez-Colunga MJ, Coto-Montes A  
**Name of the conference:** XII Congress of the Spanish Society of Cell Biology  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Pamplona, Spain  
**Date of event:** 02/07/2007  
**End date:** 05/07/2007  
**Organising entity:** SOCIEDAD ESPAÑOLA DE BIOLOGIA CELULAR
- 84** **Title of the work:** Procesos invasivos y autofágicos en la glándula de Harder de Hámster Sirio. Vega-Naredo I, Tomás-Zapico C, Caballero B, Huidobro-Fernández C, Soria-Valles C, Tolivia D, Rodríguez-Colunga MJ, Coto-Montes A  
**Name of the conference:** XII Congress of the Spanish Society of Cell Biology  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** 'Participatory - poster  
**City of event:** Pamplona, Spain





**Date of event:** 02/07/2007

**End date:** 05/07/2007

**Organising entity:** SOCIEDAD ESPAÑOLA DE BIOLOGIA CELULAR

- 85 Title of the work:** Relación entre la longitud de los sarcómeros y el proceso de tenderización en carne de terneros de las razas Asturiana de los valles y Asturiana de la montaña. V Sierra; Beatriz Caballero; MJ Rodríguez Colunga; M Mocha; P Castro; A Coto Montes; M Olivan.

**Name of the conference:** II National Congress of bovine beef

**Type of event:** Conference

**Geographical area:** National

**Type of participation:** Participatory - oral communication

**City of event:** Gijón (Asturias), Spain

**Date of event:** 20/11/2006

**End date:** 23/11/2006

**Organising entity:** Asociación Española de Criadores de Vacuno Selecto de raza Asturiana de los Valles/de la Montaña (ASEAVA/ASEAMO)-IGP Ternera de Asturias (Gobierno del Principado de Asturias)

Book Abstracts,

**Legal deposit:** AS-05657-2006

- 86 Title of the work:** Mecanismo de Muerte Celular en Respuesta a la Senescencia. Diferencias entre sexos. Caballero B, Vega-Naredo I, Rodríguez-Colunga MJ, Coto-Montes A

**Name of the conference:** 2nd Meeting of the Spanish Society of Geriatric Medicine

**Type of event:** Conference

**Geographical area:** National

**Type of participation:** Participatory - poster

**City of event:** Madrid, Spain

**Date of event:** 25/10/2006

**End date:** 27/10/2006

**Organising entity:** Sociedad Española de Medicina Geriátrica (SEMEG)

- 87 Title of the work:** Relationship between consumer scores and oxidative status of beef. Sierra V, Caballero B, Mocha M, Martínez MJ, Osoro K, Toliva D, Rodríguez-Colunga MJ, Coto-Montes A, Oliván M

**Name of the conference:** 52th International Congress of Meat Science and Technology (ICoMST)

**Type of event:** Conference

**Geographical area:** European Union

**Type of participation:** Participatory - poster

**City of event:** Dublin,

**Date of event:** 13/08/2006

**End date:** 18/08/2006

**Organising entity:** Agriculture and Food Development Authority

En: Book Abstracts: Harnessing and exploiting global opportunities. pp. 581 - 582. ISBN 90-8686-010-9

- 88 Title of the work:** Coexistence of membranal and nuclear melatonin receptors in an androgen-dependent organ. Tomás-Zapico C, Álvarez-García O, Toliva D, Coto-Montes A

**Name of the conference:** XXVI Congress of the Spanish Society of Pharmacology

**Type of event:** Conference

**Geographical area:** National

**Type of participation:** Participatory - poster

**City of event:** Salamanca, Spain

**Date of event:** 26/09/2004

**End date:** 29/09/2004

**Organising entity:** SOCIEDAD ESPAÑOLA DE FARMACOLOGIA

26, pp. 117. Meth Find Exp Clin Pharmacol, ISSN 0379-0355



- 89** **Title of the work:** Melatonin antagonizes damage induced by quinolinic acid in brain tissue culture. Beatriz Caballero; I Vega Naredo; V Sierra; MJ Rodriguez Colunga  
**Name of the conference:** XXVI Congress of the Spanish Society of Pharmacology  
**Type of event:** Conference **Geographical area:** National  
**Type of participation:** Participatory - oral communication  
**City of event:** Salamanca, Spain  
**Date of event:** 26/09/2004  
**End date:** 29/09/2004  
**Organising entity:** SOCIEDAD ESPAÑOLA DE FARMACOLOGIA  
26 - A, pp. 86. Meth Find Exp Clin Pharmacol, ISSN 0379-0355
- 90** **Title of the work:** Meat Tenderization by acidic lisosomal preteinases associated with genotype in beef. Oliván M, Coto-Montes A, Caballero B, Sierra V, Aldai N, Roríguez-Colunga MJ  
**Name of the conference:** 50th International Congress of Meat Science and Thecnology (ICoMST)  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**City of event:** Helsinki, Finland,  
**Date of event:** 09/08/2004  
**End date:** 13/08/2004  
**Organising entity:** Agriculture and Food Development Authority
- 91** **Title of the work:** Rhythms and oxidative stress. Hardeland R, Coto-Montes A, Burkhardt S, Zsizsik B, Tomás-Zapico C, Pape C  
**Name of the conference:** 54. Mosbacher Kolloquium  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** 'Participatory - poster  
**City of event:** Baden, Germany  
**Date of event:** 28/03/2003  
**End date:** 30/03/2003  
**Organising entity:** Gesellschaft für Biochemie und Molekularbiologie **Type of entity:** Público
- 92** **Title of the work:** Recent findings on the oxidation chemistry of melatonin. Hardeland R, Poeggeler B, Burkhardt S, Zelosko V, Niebergall R, Tomás-Zapico C, Thuermann S, Schönke M, Dose A, Gruetzner T, Coto-Montes A  
**Name of the conference:** III IPSP Symposium  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**City of event:** Izatnagar, India  
**Date of event:** 01/03/2002  
**End date:** 03/03/2002  
**Organising entity:** Indian Pineal Study Group **Type of entity:** Público
- 93** **Title of the work:** Oxidative stress and rhythmicity in the dinoflagellate Gonyaulax polyedra: Effects and formation of oxidants and some counteractions by melatonin. Hardeland R, Burkhardt S, Antolín I, Fuhrberg B, Poeggeler B, Coto-Montes A  
**Name of the conference:** V Latin American Symposium of Chronobiology  
**Type of event:** Conference  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Buenos Aires, Argentina  
**Date of event:** 30/09/1999  
**End date:** 30/09/1999



**Organising entity:** Universidad Nacional de Quilmes **Type of entity:** University  
pp. 101 - 101.

- 94** **Title of the work:** Diurnal rhythmicity and oxidative stress in *Gonyaulax polyedra*: Protective enzymes, endogenous and exogenous components, effects of oxidative stress on melatonin and their reversal. Hardeland R, Burkhardt S, Antolín I, Fuhrberg B, Poeggler B, Coto-Montes A, Balzer I  
**Name of the conference:** International Congress on Chronobiology  
**Type of event:** Conference **Geographical area:** Non EU International  
**Type of participation:** Participatory - oral communication  
**City of event:** Washington D.C., United States of America  
**Date of event:** 28/08/1999  
**End date:** 01/09/1999  
**Organising entity:** European Society for Chronobiology **Type of entity:** Público
- 95** **Title of the work:** Indolic compounds, kynurenic acid and related metabolites as luminophores and free radical scavengers. Hardeland R, Zsizsik BK, Poeggeler B, Fuhrberg B, Holst S, Coto-Montes A  
**Name of the conference:** 9th International Meeting on Tryptophan Research  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** Participatory - oral communication  
**City of event:** Hamburgo, Germany  
**Date of event:** 10/10/1998  
**End date:** 14/10/1998  
**Organising entity:** International Study Group for Tryptophan Research **Type of entity:** Público
- 96** **Title of the work:** Circadian rhythmicity of melatonin metabolism in the dinoflagellate *Gonyaulax polyedra* and its significance to the bioluminescence pattern. Hardeland R, Burkhardt S, Antolín I, Fuhrberg B, Poeggeler B, Coto-Montes A, Balzer I  
**Name of the conference:** Workshop of the European Society for Chronobiology (News from the Plant Chronobiology Research)  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Markgrafeneheide, Germany  
**Date of event:** 18/09/1998  
**End date:** 20/09/1998  
**Organising entity:** European Society for Chronobiology **Type of entity:** Público  
30, pp. 241. ISSN 0929-1016
- 97** **Title of the work:** Melatonin in the Dinoflagellate *Gonyaulax Polyedra*: Conversion to 5-Methoxytryptamine, a stimulator of bioluminescence, and restoration of the circadian glow peak after suppression of indoleamine biosynthesis or oxidative stress. Hadeland R, Burkhardt S, Antolín I, Fuhrberg B, Coto-Montes A  
**Name of the conference:** Hanseatic Endocrine Conference (Melatonin after Four Decades: An Assessment of its Potential)  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** Participatory - invited/keynote talk  
**Date of event:** 24/08/1998  
**End date:** 30/08/1998  
**Organising entity:** Institute for Hormone and Fertility Research **Type of entity:** Public Research Body  
**City organizing entity:** Hamburgo, Germany



- 98** **Title of the work:** Zeitliche muster protektiver enzyme und von proteincarbonyl als indikator von schäden durch freie radikale sowie effekte von melatonin und von oxidantien bei Gonyolax polyedra. Burkhardt S, Coto-Montes A, Zsizsik B, Obst B, Hardeland R.  
**Name of the conference:** 3. Jahreskolloquium des DFG-Schwerpunktprogramms: "Funktionelle und adaptive Mechanismen circadianer Systeme"  
**Type of event:** Conference **Geographical area:** European Union  
**Type of participation:** Participatory - invited/keynote talk  
**City of event:** Munich, Germany  
**Date of event:** 23/03/1998  
**End date:** 25/03/1998  
**Organising entity:** Deutsche Forschungsgemeinschaft **Type of entity:** Público  
1, pp. 58 - 59.
- 99** **Title of the work:** Caracterización del receptor nuclear de melatonina de la glándula de harder en el hámster europeo. Coto-Montes A, Menéndez-Peláez A, Acuña D  
**Name of the conference:** VI Congreso de la Sociedad Española de Neurociencias  
**Type of participation:** Participatory - oral communication  
**City of event:** Valladolid, Spain  
**Date of event:** 02/07/1995  
**End date:** 06/07/1995  
**Organising entity:** SOCIEDAD ESPAÑOLA DE NEUROCIENCIA
- 100** **Title of the work:** Presence of neuropeptidergic containing pinealocytes in the mammalian pineal gland: indications for a paracrine regulation. Møller M, Coto-Montes A, Webb S, Mato E, Pévet P, Masson-Pévet M, Mikkelsen JD  
**Name of the conference:** International Symposium "Eye-Pineal relationships"  
**Type of participation:** Participatory - oral communication  
**City of event:** Lodz, Poland  
**Date of event:** 23/09/1994  
**End date:** 25/09/1994
- 101** **Title of the work:** La glándula pineal del hamster europeo (Cricetus cricetus) contiene pinealocitos del tipo neuronal encefalina positivos. Coto-Montes A, Menéndez-Peláez A, Møller M  
**Name of the conference:** V Congreso Nacional de la Sociedad Española de Biología Celular  
**Type of participation:** Participatory - oral communication  
**City of event:** Badajoz, Spain  
**Date of event:** 16/12/1993  
**End date:** 16/12/1993  
**Organising entity:** SOCIEDAD ESPAÑOLA DE BIOLOGIA CELULAR
- 102** **Title of the work:** Photoperiodic regulation of secretory cells types in the harderian glands of male syrian hamsters is via melatonin and the pineal gland acting indepently of circulating androgens. Coto-Montes A, Menéndez-Peláez A, Rodríguez-Colunga MJ, Buzzell GR, Vaughan MK, Reiter RJ  
**Name of the conference:** 6th Colloquium of the European Pineal Society  
**Type of participation:** Participatory - oral communication  
**City of event:** Copenhagen, Denmark  
**Date of event:** 23/07/1993  
**End date:** 27/07/1993  
**Organising entity:** European Pineal Society



- 103** **Title of the work:** Modificaciones zonales del epéndimo en el hipotálamo medio del conejo. Coto-Montes A, Del Brío MA, Riera P, Cernuda R, García JM.  
**Name of the conference:** VII Congreso Nacional de Histología  
**Type of participation:** Participatory - oral communication  
**City of event:** Lugo, Spain  
**Date of event:** 13/09/1991  
**End date:** 13/09/1991  
**Organising entity:** Universidad de Lugo
- 104** **Title of the work:** Localización y distribución de CRF en el cerebro de dos especies de teleósteros (Gambusia affinis y Salmo trutta). Coto-Montes A, Del Brío MA, Riera P, Cernuda R, García MJ  
**Name of the conference:** VII Congreso Nacional de Histología  
**Type of participation:** 'Participatory - poster  
**City of event:** Lugo, Spain  
**Date of event:** 11/09/1991  
**End date:** 13/09/1991  
**Organising entity:** Facultad de Veterinaria de Lugo
- 105** **Title of the work:** Tipos de Tanocios en el hipotálamo medio del conejo (Oryctolagus Cuniculus). Del Brío MA, Riera P, García JM, Cernuda R, Coto-Montes A  
**Name of the conference:** XVI Reunión Bienal de la Sociedad Española de Microscopia Electronica  
**Type of participation:** 'Participatory - poster  
**City of event:** Cadiz, Spain  
**Date of event:** 10/12/1990  
**End date:** 13/12/1990  
**Organising entity:** Sociedad Española de Microscopía electrónica
- 106** **Title of the work:** Ultraestructura de las células sensoriales del órgano de la línea lateral del teleósteros (Gambusia Affinis). Cernuda R, Del Brío MA, Coto-Montes A, Riera P, García JM  
**Name of the conference:** XVI Reunión bienal de la Sociedad Española de Microscopia Electronica  
**Type of participation:** 'Participatory - poster  
**City of event:** Cadiz, Spain  
**Date of event:** 10/12/1990  
**End date:** 13/12/1990  
**Organising entity:** Sociedad Española de microscopia electronica
- 107** **Title of the work:** Distribución del neuropéptido y en el encéfalo de teleósteos. García-Fernández JM, Del Brío MA, Coto-Montes A, Cernuda R, Riera P  
**Name of the conference:** I Symposium sobre avances y perspectivas en inmunohistoquímica e histoquímica  
**Type of participation:** 'Participatory - poster  
**City of event:** Cadiz, Spain  
**Date of event:** 04/10/1990  
**End date:** 06/10/1990  
**Organising entity:** Sociedad Iberoamericana de Histoquímica y Citoquímica





## Works submitted to national or international seminars, workshops and/or courses

- 1** **Title of the work:** La melatonina contrarresta el daño oxidativo en músculo esquelético de ratones OB/OB  
**Name of the event:** Encuentro de Jóvenes Investigadores 2018  
**Type of event:** Encuentro  
**City of event:** Salamanca, Castile and León, Spain  
**Date of event:** 06/09/2018  
**End date:** 09/12/2018  
**Organising entity:** INSTITUTO DE INVESTIGACIONES CIENTIFICAS Y ECOLOGICAS  
**Type:** Book chapter  
Yaiza Potes Ochoa; JC Bermejo Millo; Andrea Díaz Luis; Laura González Blanco; Beatriz Caballero; Ana Coto Montes; Ignacio Vega Naredo. ISBN 978-84-948681-1-5
- 2** **Title of the work:** Melatonina como protector terapéutico ante el síndrome metabólico  
**Name of the event:** Encuentro de Jóvenes Investigadores 2018  
**Type of event:** Encuentro  
**City of event:** Salamanca, Castile and León, Spain  
**Date of event:** 06/09/2018  
**End date:** 09/12/2018  
**Organising entity:** INSTITUTO DE INVESTIGACIONES CIENTIFICAS Y ECOLOGICAS  
**Type:** Book chapter  
Andrea Díaz Luis; Yaiza Potes Ochoa; JC Bermejo Millo; Laura González Blanco; Iván Menéndez Valle; Beatriz Caballero; Ignacio Vega Naredo; Ana Coto Montes. ISBN 978-84-948681-1-5
- 3** **Title of the work:** La medición de la calidad muscular en el anciano. Un éxito necesario  
**Name of the event:** VIII Jornadas de Investigación y Envejecimiento  
**Type of event:** Workshop  
**Reasons for participation:** Speaker  
**City of event:** Oviedo, Principality of Asturias, Spain  
**Date of event:** 18/10/2017  
**End date:** 18/10/2017  
**Organising entity:** Sociedad Geriatria y Gerontología del Principado de Asturias
- 4** **Title of the work:** Envejecimiento de las células madre musculares: senescencia y autofagia  
**Name of the event:** VII Jornadas de Investigación y Envejecimiento  
**Type of event:** Workshop  
**Reasons for participation:** Speaker  
**City of event:** Oviedo, Principality of Asturias, Spain  
**Date of event:** 06/10/2016  
**End date:** 06/10/2016  
**Organising entity:** Sociedad Geriatria y Gerontología del Principado de Asturias
- 5** **Title of the work:** Incrementar las capacidades divulgativas de los estudiantes de biología celular e histología  
**Name of the event:** VII Jornadas de docencia de la SEBC  
**Type of event:** Workshop  
**Reasons for participation:** Upon invitation  
**City of event:** León, Castile and León, Spain  
**Date of event:** 23/10/2014





**End date:** 24/10/2014

**Organising entity:** SEBC

Marina García Macía; Beatriz Caballero; Jose Antonio Boga; Ignacio Vega Naredo; Ana Coto Montes.  
"póster".

- 6** **Title of the work:** ESTADO ACTUAL DE LA INVESTIGACION EN EL ENVEJECIMIENTO  
**Name of the event:** IX Foro de Etica y Envejecimiento  
**Type of event:** Mesa Redonda  
**Reasons for participation:** Upon invitation  
**City of event:** Oviedo,  
**Date of event:** 07/11/2012  
**End date:** 08/11/2012  
**Organising entity:** Sociedad de Geriátría y Gerontología del Principado de Asturias
- 7** **Title of the work:** LA INVESTIGACION BASICA EN ESPAÑA. UNA NECESIDAD EN PLENA CRISIS. INVESTIGACIÓN TRANSLACIONAL  
**Name of the event:** IX Foro de Etica y Envejecimiento  
**Reasons for participation:** Speaker  
**City of event:** Oviedo,  
**Date of event:** 07/11/2012  
**End date:** 08/11/2012  
**Organising entity:** Sociedad de Geriátría y Gerontología del Principado de Asturias
- 8** **Title of the work:** Enfermedad crónica e hipoxia  
**Name of the event:** Retos de la enfermedad crónica/Enfermedad cronica y ejercicio  
**Type of event:** Workshop  
**Reasons for participation:** Upon invitation  
**Date of event:** 2009  
**Organising entity:** Instituto Asturiano de Administración Publica ADOLFO POSADA  
**City organizing entity:** Oviedo (Asturias), Spain  
Ana Coto Montes.
- 9** **Title of the work:** Estres oxidativo y envejecimiento: lineas actuales de investigación  
**Name of the event:** Jornadas de Investigación en envejecimiento. Hipotesis y realidades  
**Type of event:** Workshop  
**Reasons for participation:** Upon invitation  
**Date of event:** 2008  
**Organising entity:** Instituto Asturiano de Administración Publica ADOLFO POSADA  
**City organizing entity:** Oviedo (Asturias), Spain  
Ana Coto Montes.
- 10** **Title of the work:** Estrés oxidativo, muerte celular programada y envejecimiento  
**Type of event:** Seminar  
**Reasons for participation:** Upon invitation  
**City of event:** Granada, Spain  
**Date of event:** 2008  
**Organising entity:** Universidad de Granada  
**Type of entity:** University  
Ana Coto Montes.



- 11** **Title of the work:** Oxidantes y antioxidantes en el envejecimiento  
**Name of the event:** Ritmos Biologicos y Envejecimiento  
**Type of event:** Seminar  
**Reasons for participation:** Upon invitation  
**City of event:** Murcia, Spain  
**Date of event:** 2008  
**Organising entity:** Universidad de Murcia  
Ana Coto Montes. **Type of entity:** University
- 12** **Title of the work:** ¿Es la glandula de harder del hamster sirio un modelo tumoral sin tumor?  
**Name of the event:** Discusiones en Biociencia  
**Type of event:** Seminar  
**Reasons for participation:** Upon invitation  
**City of event:** Santa Cruz de Tenerife, Spain  
**Date of event:** 2008  
**Organising entity:** Universidad de La Laguna  
Ana Coto Montes. **Type of entity:** University
- 13** **Title of the work:** Efectos favorables de un tratamiento crónico con melatonina sobre el estrés oxidativo y de neurodegeneración en un modelo de senescencia acelerada  
**Name of the event:** Red temática de investigación cooperativa en envejecimiento y fragilidad (RETICEFF): anual meeting  
**Reasons for participation:** Upon invitation  
**City of event:** Toledo, Spain  
**Date of event:** 22/11/2007  
**Organising entity:** RETICEFF
- 14** **Title of the work:** Sistemas endógenos de defensa antioxidante  
**Name of the event:** Fundamentos basicos y aplicación clinica de los radicales libres en el envejecimiento  
**Type of event:** Seminar  
**Reasons for participation:** Upon invitation  
**City of event:** Granada, Spain  
**Date of event:** 2005  
**Organising entity:** Universidad de Granada  
Ana Coto Montes. **Type of entity:** University
- 15** **Title of the work:** La melatonina:¿de verdad existe la fuente de la eterna juventud?  
**Type of event:** Seminar  
**Reasons for participation:** Upon invitation  
**City of event:** Gijón (Asturias), Spain  
**Date of event:** 2000  
**Organising entity:** FUNDACION MUNICIPAL DE CULTURA, EDUCACION Y UNIV. POPULAR  
Ana Coto Montes.



## Other dissemination activities

- 1** **Title of the work:** La Energía de la Vida: Las Mitocondrias  
**Name of the event:** La Noche Europea de los Investigadores  
**Type of event:** Fairs and exhibitions  
**City of event:** Gijón, 29/09/2017, Spain  
**Date of event:** 29/09/2017  
**Organising entity:** Universidad de Oviedo **Type of entity:** University
- 2** **Title of the work:** Envejecimiento: causas, retos y consecuencias  
**Name of the event:** XVI Semana de la Ciencia y la Tecnología de la Universidad de Oviedo  
**Type of event:** Conferences given  
**City of event:** Oviedo, 17/11/2016, Spain  
**Date of event:** 17/11/2016  
**Organising entity:** Universidad de Oviedo **Type of entity:** University
- 3** **Title of the work:** La Energía de la Vida: Las Mitocondrias  
**Name of the event:** La Noche Europea de los Investigadores  
**Type of event:** Fairs and exhibitions  
**City of event:** Gijón, 30/09/2016, Spain  
**Date of event:** 30/09/2016  
**Organising entity:** Universidad de Oviedo **Type of entity:** University

## R&D management and participation in scientific committees

### Scientific, technical and/or assessment committees

- 1** **Committee title:** Comité de Evaluación del Área Científica de Ciencia y Tecnología de Alimentos  
**Affiliation entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** Subprograma de movilidad José Casillejo y Salvador de Madariaga  
**Start-End date:** 2015 - 2015
- 2** **Committee title:** Comité de evaluación de las ayudas para la Formación de Profesorado Universitario  
**Affiliation entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** BECAS FPU  
**Start-End date:** 2015 - 2015
- 3** **Committee title:** Evaluadora de Proyectos de Investigación Biomédica y en Ciencias de la Salud  
**Affiliation entity:** Junta de Andalucía **Type of entity:** Fundación Pública Andaluza Progreso y Salud  
**Start-End date:** 2014 - 2014
- 4** **Committee title:** Comité de evaluación de Proyectos Nacionales  
**Affiliation entity:** Agencia Nacional de Evaluación y Prospectiva **Type of entity:** Biomedicina  
**Start-End date:** 2009 - 2012



- 5** **Committee title:** Member of selection committee for Associated Professor vacancy  
**Affiliation entity:** Universitat Rovira i Virgili **Type of entity:** University  
**City affiliation entity:** Reus, Spain  
**Start date:** 04/2011
- 6** **Committee title:** Evaluator of ANEP  
**Affiliation entity:** Agencia Nacional de Evaluación y Prospectiva (ANEP)  
**Start date:** 2009
- 7** **Committee title:** Reviewer of research projects  
**Affiliation entity:** MINISTERIO DE EDUCACION Y CIENCIA  
**Start date:** 2009
- 8** **Committee title:** Reviewer of research projects  
**Affiliation entity:** Ministerio de Sanidad y Consumo **Type of entity:** Administrative Body of the National Health System  
**Start date:** 2009
- 9** **Committee title:** Asesor de SGGPA (Sociedad de Geriatria y Gerontologia del Principado de Asturias)  
**Affiliation entity:** Sociedad de Geriatria y Gerontologia del Principado de Asturias  
**Start date:** 2007
- 10** **Committee title:** PhD Committe since 2001: University of Sevilla, Granada, Reus and Barcelona  
**Start date:** 2001

## R&D management

**Name of the activity:** JEFE DE UNIDAD DE MICROSCOPIA ELECTRONICA DE SERVICIOS CIENTIFICO-TECNICOS

**Type of management:** University Management

**Entity:** Universidad de Oviedo

**Type of entity:** University

**Start date:** 01/09/2011

**Duration:** 15 months

## Evaluation and revision of R&D projects and articles

- 1** **Performed tasks:** Referee  
**Entity where activity was carried out:** Aging Clinical & Experimenta Research  
**Type of activity:** Review of articles in scientific or technological journals  
**Start date:** 2011
- 2** **Performed tasks:** Referee  
**Entity where activity was carried out:** Journal of American Aging Association  
**Type of activity:** Review of articles in scientific or technological journals  
**Start date:** 2011
- 3** **Performed tasks:** Referee  
**Entity where activity was carried out:** Journal of Medicinal Chemistry  
**Type of activity:** Review of articles in scientific or technological journals



**Start date:** 2011

- 4 Performed tasks:** Referee  
**Entity where activity was carried out:** Biological Trace Element Research  
**Type of activity:** Review of articles in scientific or technological journals  
**Start date:** 2010
- 5 Performed tasks:** Referee  
**Entity where activity was carried out:** CR Biologies  
**Type of activity:** Review of articles in scientific or technological journals  
**Start date:** 2010
- 6 Performed tasks:** Member of the Editorial Board  
**Entity where activity was carried out:** The Open Biology Journal (Bentham Open ISSN 1874-1967)  
**Type of activity:** Participation in editorial committees  
**Start date:** 2007
- 7 Performed tasks:** Referee  
**Entity where activity was carried out:** Journal of Cellular Physiology  
**Type of activity:** Review of articles in scientific or technological journals  
**Start date:** 2007
- 8 Performed tasks:** Member of the Editorial Board  
**Entity where activity was carried out:** Recent Patents on Endocrine, Metabolic & Immune Drug Discovery (Bentham Science Publishers ISSN 1872-2148)  
**Type of activity:** Participation in editorial committees  
**Start date:** 2006
- 9 Performed tasks:** Referee  
**Entity where activity was carried out:** Journal of Food Biochemistry  
**Type of activity:** Review of articles in scientific or technological journals  
**Start date:** 2006
- 10 Performed tasks:** Referee  
**Entity where activity was carried out:** Journal Experimental Biology  
**Type of activity:** Review of articles in scientific or technological journals  
**Start date:** 2005
- 11 Performed tasks:** Referee  
**Entity where activity was carried out:** Experimental Eye Research  
**Type of activity:** Review of articles in scientific or technological journals  
**Start date:** 2002
- 12 Performed tasks:** Referee on a regular basis  
**Entity where activity was carried out:** Autophagy  
**Type of activity:** Review of articles in scientific or technological journals
- 13 Performed tasks:** Referee on a regular basis  
**Entity where activity was carried out:** Journal Pineal Research  
**Type of activity:** Review of articles in scientific or technological journals



## Other achievements

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

- 1** **Entity:** Department of Cellular and Structural Biology  
**Faculty, institute or centre:** Health Science Center, University of Texas  
**City of entity:** San Antonio (Texas), United States of America  
**Start-End date:** 01/07/2015 - 30/09/2015      **Duration:** 3 months  
**Goals of the stay:** Guest
- 2** **Entity:** Department of Cellular and Structural Biology  
**Faculty, institute or centre:** Health Science Center, University of Texas  
**City of entity:** San Antonio (Texas), United States of America  
**Start-End date:** 01/07/2011 - 30/09/2011      **Duration:** 3 months  
**Goals of the stay:** Guest
- 3** **Entity:** Georg August Universität Göttingen  
**Faculty, institute or centre:** Albrecht Von Haller Institut für Pflanzenwissenschaften  
**City of entity:** Göttingen, Germany  
**Start-End date:** 01/01/1999 - 30/04/1999  
**Goals of the stay:** Guest
- 4** **Entity:** Institut für Zoologie und Anthropologie.  
**Faculty, institute or centre:** University of Göttingen.  
**City of entity:** Göttingen, Germany  
**Start-End date:** 01/12/1996 - 30/11/1998  
**Goals of the stay:** Post-doctoral
- 5** **Entity:** University of Cantabria  
**Faculty, institute or centre:** Dpto. Fisiology and Pharmacology, Faculty of Medicine  
**City of entity:** Santander, Spain  
**Start-End date:** 01/06/1994 - 30/11/1996  
**Goals of the stay:** Post-doctoral
- 6** **Entity:** Department of Cellular and Structural Biology  
**Faculty, institute or centre:** Health Science Center, University of Texas  
**City of entity:** San Antonio (Texas), United States of America  
**Start-End date:** 01/01/1996 - 30/06/1996  
**Goals of the stay:** Post-doctoral
- 7** **Entity:** Universidad de Granada      **Type of entity:** University  
**City of entity:** Granada, Spain  
**Start-End date:** 01/04/1994 - 30/06/1994  
**Goals of the stay:** Doctorate
- 8** **Entity:** Institute of Medical Anatomy, Panum Institute.  
**Faculty, institute or centre:** University of Copenhagen  
**City of entity:** Copenhagen, Denmark





**Start-End date:** 01/05/1993 - 30/10/1993

**Goals of the stay:** Doctorate

## Obtained grants and scholarships

- 1 Name of the grant:** CONTRATO PREDOCTORAL DE YAIZA POTES OCHOA PARA REALIZAR LA TESIS EN EL GRUPO DE RESPUESTA CELULAR AL ESTRES OXIDATIVO DIRIGIDA POR ANA COTO MONTES

**Awarding entity:** Instituto de Salud Carlos III      **Type of entity:** Public Research Body

**Conferral date:** 01/01/2015      **Duration:** 4 years

**End date:** 31/12/2018

**Entity where activity was carried out:** Universidad de Oviedo

**Faculty, institute or centre:** Facultad de Medicina
- 2 Name of the grant:** Contrato Personal Técnico

**Aims:** Técnico de Anatomía Patológica

**Awarding entity:** Instituto Carlos III      **Type of entity:** Public Research Body

**Conferral date:** 01/01/2009      **Duration:** 8 years - 1 month

**End date:** 30/01/2017
- 3 Name of the grant:** CONTRATO PREDOCTORAL DE BEATRIZ DE LUXAN DELGADO PARA REALIZAR LA TESIS EN EL GRUPO DE RESPUESTA CELULAR AL ESTRES OXIDATIVO DIRIGIDA POR ANA COTO MONTES

**Awarding entity:** FUNDACION PARA EL FOMENTO EN ASTURIAS DE LA INVESTIGACION CIENTIFICA APLICADA Y LA TECNOLOGIA

**Conferral date:** 01/09/2011      **Duration:** 48 months

**End date:** 31/08/2015

**Entity where activity was carried out:** FICYT BP11-135
- 4 Name of the grant:** CONTRATO PREDOCTORAL DE YAIZA POTES OCHOA PARA REALIZAR LA TESIS EN EL GRUPO DE RESPUESTA CELULAR AL ESTRES OXIDATIVO DIRIGIDA POR ANA COTO MONTES

**Aims:** Pre-doctoral

**Awarding entity:** Universidad de Oviedo      **Type of entity:** University

**Conferral date:** 01/01/2014      **Duration:** 1 year

**End date:** 31/12/2014

**Entity where activity was carried out:** Universidad de Oviedo

**Faculty, institute or centre:** Facultad de Medicina
- 5 Name of the grant:** CONTRATO PREDOCTORAL DE MARINA GARCIA MACIA PARA REALIZAR LA TESIS EN EL GRUPO DE RESPUESTA CELULAR AL ESTRES OXIDATIVO DIRIGIDA POR ANA COTO MONTES

**Awarding entity:** Instituto de Salud Carlos III      **Type of entity:** Public Research Body

**Conferral date:** 01/09/2010      **Duration:** 48 months

**End date:** 31/08/2014

**Entity where activity was carried out:** Universidad de Oviedo

**Faculty, institute or centre:** Facultad de Medicina
- 6 Name of the grant:** CONTRATO PREDOCTORAL DE DAVID DE GONZALO CALVO PARA REALIZAR LA TESIS EN EL GRUPO DE RESPUESTA CELULAR AL ESTRES OXIDATIVO DIRIGIDA POR ANA COTO MONTES



**Awarding entity:** FUNDACION PARA EL FOMENTO EN ASTURIAS DE LA INVESTIGACION CIENTIFICA APLICADA Y LA TECNOLOGIA

**Conferral date:** 01/07/2008

**Duration:** 48 months

**End date:** 30/06/2012

**Entity where activity was carried out:** FICYT BP08-064

**7 Name of the grant:** CONTRATO PREDOCTORAL DE IGNACIO VEGA NAREDO PARA REALIZAR LA TESIS EN EL GRUPO DE RESPUESTA CELULAR AL ESTRES OXIDATIVO DIRIGIDA POR ANA COTO MONTES

**Awarding entity:** MINISTERIO DE EDUCACION Y CIENCIA

**Conferral date:** 01/04/2006

**Duration:** 48 months

**End date:** 31/03/2010

**Entity where activity was carried out:** MEC AP2005-0825

**8 Name of the grant:** CONTRATO PREDOCTORAL DE BEATRIZ CABALLERO GARCÍA PARA REALIZAR LA TESIS EN EL GRUPO DE RESPUESTA CELULAR AL ESTRES OXIDATIVO DIRIGIDA POR ANA COTO MONTES

**Awarding entity:** FUNDACION PARA EL FOMENTO EN ASTURIAS DE LA INVESTIGACION CIENTIFICA APLICADA Y LA TECNOLOGIA

**Conferral date:** 01/06/2005

**Duration:** 36 months

**End date:** 01/06/2008

**Entity where activity was carried out:** FICYT BP05-127

**9 Name of the grant:** Contrato "Ramon y Cajal"

**Awarding entity:** Ministerio de Ciencia y Tecnologia

**Conferral date:** 01/11/2001

**End date:** 31/10/2006

**10 Name of the grant:** Contratos postdoctorales de reincorporacion

**Aims:** Post-doctoral

**Awarding entity:** FUNDACION PARA EL FOMENTO EN ASTURIAS DE LA INVESTIGACION CIENTIFICA APLICADA Y LA TECNOLOGIA

**Conferral date:** 03/05/1999

**End date:** 30/09/2000

**11 Name of the grant:** Contrato "Marie Curie"

**Aims:** Post-doctoral

**Awarding entity:** European Union

**Conferral date:** 01/12/1996

**End date:** 30/11/1998

**12 Name of the grant:** Beca PFPI

**Aims:** Post-doctoral

**Awarding entity:** MINISTERIO DE EDUCACION Y CIENCIA

**Conferral date:** 01/01/1994

**End date:** 30/11/1996

**13 Name of the grant:** Danish Government scholarship

**Aims:** Pre-doctoral

**Awarding entity:** Danish Government

**Conferral date:** 01/09/1994



**End date:** 01/06/1995

- 14 Name of the grant:** Predoctoral fellowship  
**Aims:** Pre-doctoral  
**Awarding entity:** European Union (COMETT)  
**Conferral date:** 01/05/1993  
**End date:** 30/10/1993

## Co-operation networks

- 1 Name of the network:** INPROTEOLYS: Intracellular Proteolysis Network  
**Start date:** 2008
- 2 Name of the network:** AGING AND FRAGILITY NETWORK (RETICEF)  
**Identification of the network:** RD06/0013/0011 and RD12/0043/0030  
**Start date:** 2007
- 3 Name of the network:** SNAPS: Spanish Network for Aging Processes Study  
**Identification of the network:** FISS-03-RED-G03/137; FISS-06-PI050101  
**Start date:** 2003 **Duration:** 4 years

## Prizes, mentions and distinctions

- 1 Description:** 1º Premio Fundación AINDACE al Trabajo Fin de Máster en Investigación en Neurociencias  
**Awarding entity:** Fundación AINDACE **Type of entity:** Foundation  
**City awarding entity:** Oviedo, Principality of Asturias, Spain  
**Conferral date:** 13/09/2017
- 2 Description:** Mejor comunicación presentada al congreso en endocrinología clínica en el 41 Congreso de la Sociedad Andaluza de Endocrinología, Diabetes y Nutrición  
**Awarding entity:** Sociedad Andaluza de Endocrinología, Diabetes y Nutrición  
**Conferral date:** 11/02/2017
- 3 Description:** Mejor comunicación presentada en la categoría de Investigación Básica en la Segunda Reunión Nacional de la Sociedad Española de Medicina Geriátrica  
**Awarding entity:** SEMEG **Type of entity:** Associations and Groups  
**Conferral date:** 01/2015
- 4 Description:** Second place in XIII National Sport Medicine Research Award  
**Awarding entity:** Universidad de Oviedo, Escuela de Medicina Deportiva, Cajastur  
**City awarding entity:** Oviedo (Asturias), Principality of Asturias, Spain  
**Conferral date:** 2010  
**Recognition linked:** Award by the study entitled: El entrenamiento crónico induce un perfil saludable de biomarcadores geriátricos emergentes en varones mayores de 65 años
- 5 Description:** Grande Covián" Award  
**Awarding entity:** Fundación premios Príncipe de Asturias  
**City awarding entity:** Oviedo (Asturias), Principality of Asturias, Spain  
**Conferral date:** 27/10/2000



**Recognition linked:** Award to Junior Researcher by the project entitled: Establecimiento de marcadores de calidad durante el periodo de oreo de cebones de la raza asturiana de valles. Conservación y mejora de las características organolépticas de las canales

### Periods of research activity

**Nº of recognized periods:** 3

**Certifying entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación      **Type of entity:** aneca

**City certifying entity:** Principality of Asturias, Spain

**Date of recognition:** 31/12/2012

### Obtained accreditations/recognitions

**Description:** Positive evaluation with the figure "Catedrático de Universidad"

**Accrediting entity:** Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA)

**Date of recognition:** 28/05/2012