



Juan Ramón Peinado Mena

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Summary of CV

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

After obtaining the Doctor degree "Cum laude" and with a mention of European Doctor, I was hired as a postdoctoral researcher by the Center for Health Sciences of the University of Louisiana (New Orleans, USA), where after a period of 1 year and a half and after perfecting the language and contributing to several high-level scientific publications (all of them from the first quartile) I joined the prestigious department of Biochemistry at the University of Oviedo, directed by Dr. Carlos Lopez-Otin. After 3 years of research and with a joint project with the CSIC, I joined the group specialized in protein crystallography at the Barcelona Science Park led by Dr. Xavier Gomis-Ruth. After 7 months of work and due to professional and family interests, in mid-April 2008, I accepted an offer to rejoin the department where I started my professional career (Cell Biology Department of the University of Córdoba), to work under the direction of Dr. María del Mar Malagon in an ambitious project related to the study of adipose tissue and pathologies derived from proteomic studies, studies that have led to the publication of numerous scientific articles. In mid-2010, with great enthusiasm, I joined a new project to establish the Cell Biology area belonging to the Department. of Medical Sciences of the Faculty of Medicine that that same year began to teach Ciudad Real. Thus, currently, as a Full Professor, I have been working on neurodegenerative diseases, and on several projects directly related to Alzheimer's disease. The Research activity is supported by a large number of stays in research centers (7 national and international centers), the publication of 50 articles with the following quality indices: No. of five-year periods: 3. No. of six-year periods: 3. Book chapters : 6 Number of projects in which it has participated: 18. Total citations: 1200 (without own citations) Total publications in the first quartile (Q1): 33 H Index: 20. Impact Average: 4.12. Accumulated impact: 203. 14 of the publications of corresponding author or first author.



Juan Ramón Peinado Mena

Surname(s): **Peinado Mena**
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Current professional situation

Employing entity: University of Castilla la Mancha
Type of entity: University
Department: Faculty of Medicine
Professional category: Full Professor (University Professor; Accredited to Full Professor)
Start date: 01/01/2022
Type of contract: Civil servant
Dedication regime: Full time
Primary (UNESCO code): 240300 - Biochemistry; 240700 - Cell biology
Identify key words: Analysis of biological samples (proteomic); Molecular markers and recognition; Insanity senile (alzheimer, parkinson)

Previous positions and activities

	Employing entity	Professional category	Start date
1	UCLM	Coordinador y responsable de la Asignatura de Histología. 1er curso del Grado de Medicina de la Facultad de Medicina de Ciudad	2012
2	UCLM	Prof. Contratado Doctor/Faculty of Medicine-UCLM/Spain	21/12/2010
3	UCLM	Secretario Académico. F. de Medicina. UCLM	01/10/2013
4	UCLM	Coordinador del primer curso del Grado de Medicina de la Facultad de Medicina de Ciudad Real	2012
5	UCLM	Assistant Professor/Faculty of Medicine-UCLM/Spain	01/09/2010

- Employing entity:** UCLM
Professional category: Coordinador y responsable de la Asignatura de Histología. 1er curso del Grado de Medicina de la Facultad de Medicina de Ciudad
Start-End date: 2012 - 2018
- Employing entity:** UCLM
Type of entity: University
Professional category: Prof. Contratado Doctor/Faculty of Medicine-UCLM/Spain
Start-End date: 21/12/2010 - 2018



3 Employing entity: UCLM

Professional category: Secretario Académico. F. de Medicina. UCLM

Start-End date: 01/10/2013 - 01/05/2017

4 Employing entity: UCLM

Professional category: Coordinador del primer curso del Grado de Medicina de la Facultad de Medicina de Ciudad Real

Start-End date: 2012 - 2013

5 Employing entity: UCLM

Type of entity: University

Professional category: Assistant Professor/Faculty of Medicine-UCLM/Spain

Start-End date: 01/09/2010 - 21/12/2010



Education

University education

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

- 1 **Name of qualification:** Degree in Biology
Degree awarding entity: University of Cordoba
Date of qualification: 2002
- 2 **Name of qualification:** Degree in Biochemistry
Degree awarding entity: University of Cordoba
Date of qualification: 1997

Doctorates

Doctorate programme: Doctorate in Sciences
Degree awarding entity: University of Cordoba
Date of degree: 2002

Type of entity: University

Language skills

Language	Listening skills	Reading skills	Spoken interaction	Speaking skills	Writing skills
English	C1	C1	C1	C1	C1

Teaching experience

Experience supervising doctoral thesis and/or final year projects

- 1 **Project title:** Efecto de la modulación del estrés oxidativo sobre la proteostasis y el progreso de la enfermedad de Alzheimer
Entity: Universidad de Castilla-La Mancha
Student: Emilio Llanos González
Date of reading: 2023
Type of entity: University
- 2 **Project title:** CARACTERIZACIÓN DE NUEVOS BIOMARCADORES DE LA ENFERMEDAD DE ALZHEIMER MEDIANTE META-ANÁLISIS Y ESTUDIOS MOLECULARES
Entity: UCLM
Student: Cristina Pedrero Prieto
Date of reading: 14/10/2020
Type of entity: University



- 3** **Project title:** CARACTERIZACIÓN DE MJ1213 DE METHANOCOCCUS JANNASCHII, UNA METALOPROTEASA HIPERTERMÓFILA Y POTENCIALMENTE SIMILAR A BLAR1 DE STAPHYLOCOCCUS AUREUS
Entity: UCLM **Type of entity:** University
Student: ANA CINTAS PEDROLA
Date of reading: 02/11/2010

Scientific and technological experience

Scientific or technological activities

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

- 1** **Name of the project:** Efecto de la normalización del balance redox sobre el desequilibrio proteostático asociado a la Enfermedad de Alzheimer.
Name principal investigator (PI, Co-PI....): Mario Durán Prado
Funding entity or bodies:
 MINECO SAF2016-79311-R (AEI/FEDER
 UE)
Start date: 30/12/2016 **Duration:** 3 years - 1 day
Participating entity/entities: Universidad de Castilla-La Mancha
Total amount: 129.000 €
- 2** **Name of the project:** Evaluación De Los Sueros De Los Pacientes Con Deterioro Cognitivo Ligero Entervenidos Con Ubiquinol Sobre El Endotelio Vascular Cerebral, In Vitro.
City of entity: Real,
Name principal investigator (PI, Co-PI....): Mario Durán Prado
Funding entity or bodies:
 Diputación de
Start date: 08/12/2016 **Duration:** 5 months - 22 days
Participating entity/entities: Universidad de Castilla-La Mancha
Total amount: 10.000 €
- 3** **Name of the project:** Papel del estrés oxidativo en el desarrollo de la ansiedad en el modelo murino de Alzheimer 3xTg-AD. Búsqueda de marcadores tempranos de la neurodegeneración
Name principal investigator (PI, Co-PI....): Francisco Javier Alcain Tejada
Funding entity or bodies:
 Consejería de Educación Ciencia y Cultura
 Junta de
Start date: 27/09/2014 **Duration:** 2 years
- 4** **Name of the project:** Riesgo cardiovascular en pacientes con obesidad morbida: Impacto de la pérdida de peso.
Name principal investigator (PI, Co-PI....): Alfonso Leal Cerro
Funding entity or bodies:
 Junta de Andalucía. Conserjería de salud.

**Start date:** 04/2009**Duration:** 1 year - 9 months

- 5 Name of the project:** Bases celulares y moleculares del síndrome metabólico: efecto de la composición grasa de la dieta en el funcionamiento del tejido adiposo

Name principal investigator (PI, Co-PI....): Maria del Mar Malagón Poyato**Funding entity or bodies:**

Junta de Andalucía. Proyecto de Excelencia.

Start date: 04/2008**Duration:** 1 year - 9 months

- 6 Name of the project:** Preparación, cristalización y análisis estructural de proteínas de membrana.

Name principal investigator (PI, Co-PI....): Xavier Gomis Ruth**Funding entity or bodies:**

Programa de actividad investigadora Consolider-Ingenio 2010: Factoría de cristalización.

Start date: 09/2006**Duration:** 4 months

- 7 Name of the project:** Extracellular proteases and the Cancer Degradome: Innovative Diagnostic Markers, Therapeutic targets and tumour imaging agents (Cancerdegradome).

Name principal investigator (PI, Co-PI....): Carlos López Otín**Funding entity or bodies:**

Unión Europea. UE-04-LSHC-CT-2003-503297

Start date: 09/2004**Duration:** 1 year - 11 months

- 8 Name of the project:** Blockade of Anthrax Cytotoxicity Using Furin Inhibitors

Name principal investigator (PI, Co-PI....): Iris Lindberg**Funding entity or bodies:**

National Institute of Allergy and Infectious Diseases (NIAID) perteneciente al National Institutes of Health (NIH) RO1 DK49703. (Periodo de financiación 09/15/96- 2/28/08)

Start date: 01/2004**Duration:** 7 months

- 9 Name of the project:** Control of Peptide Hormone Biosynthesis by PC2 and 7B2.

Name principal investigator (PI, Co-PI....): Iris Lindberg**Funding entity or bodies:**

The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK) perteneciente al National Institutes of Health (NIH) RO1 DK49703 (periodo de financiación /15/09/96- 28/2/08)

Start date: 01/2004**Duration:** 7 months

- 10 Name of the project:** El Péptido D6R como potencial terapéutico en el bloqueo de la citotoxicidad de la toxina del Anthrax.

Name principal investigator (PI, Co-PI....): Iris Lindberg**Funding entity or bodies:**

Secretaría General de Universidades e Investigación de la Junta de Andalucía.

Start date: 01/2004**Duration:** 7 months

- 11 Name of the project:** Opioid Peptide Synthesizing Enzymes.

Name principal investigator (PI, Co-PI....): Iris Lindberg**Funding entity or bodies:**

National Institute on Drug Abuse (NIDA)

Start date: 01/2004**Duration:** 7 months



- 12** **Name of the project:** Estudio de mecanismos celulares y moleculares implicados en el control de la plasticidad secretora.
Name principal investigator (PI, Co-PI....): María del Mar Malagón Poyato
Funding entity or bodies:
Ministerio de Ciencia y Tecnología HF2001-0103.
Start date: 2003
- 13** **Name of the project:** Frog melanotroph cell as a model to elucidate the molecular basis of secretory plasticity of endocrine cells.
Name principal investigator (PI, Co-PI....): Hubert Vaudry
Funding entity or bodies:
European Science Foundation. 2001/EG/23.
Start date: 06/2002 **Duration:** 6 months
- 14** **Name of the project:** Biología celular de la célula endocrina: mecanismos moleculares y celulares implicados en la regulación del ciclo secretor.
Name principal investigator (PI, Co-PI....): María del Mar Malagón Poyato
Funding entity or bodies:
Junta de Andalucía CVI 139
Start date: 2001 **Duration:** 1 year
- 15** **Name of the project:** Clonaje de los receptores de los factores implicados en la producción de hormona del crecimiento en el cerdo.
Name principal investigator (PI, Co-PI....): Maria del Mar Malagón Poyato
Funding entity or bodies:
Ministerio de Ciencia y Tecnología. IFD1997-0582
Start date: 1999 **Duration:** 2 years
- 16** **Name of the project:** Administration of Coenzyme Q plus antithrombotics could sensitize glioblastoma cells to the effect of chemotherapeutics
Name principal investigator (PI, Co-PI....): Mario Duran Prado. DESDE 01/1/2013 HASTA 31/12/2013
IMPORTE: 50.000 €
Funding entity or bodies:
James McDonnell Foundation

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

Name of the project: BUSQUEDA DE MARCADORES PROTEICOS ASOCIADOS A LA HIDROCEFALIA NORMOTENSIVA
Degree of contribution: Coordinator of total project, network or consortium
Name principal investigator (PI, Co-PI....): JUAN RAMON PEINADO MENA
Nº of researchers: 1
Start date: 2019 **Duration:** 3 years
Total amount: 11.000 €



Scientific and technological activities

Scientific production

H index: 20

Date of application: 20/11/2021

Fuente de Índice H: WOS

Publications, scientific and technical documents

- 1** C. M. Pedrero-Prieto; J. Frontiñán-Rubio; F. J. Alcaín; M. Durán-Prado; J. R. Peinado; Y. Rabanal-Ruiz. Biological Significance of the Protein Changes Occurring in the Cerebrospinal Fluid of Alzheimer's Disease Patients: Getting Clues from Proteomic Studies. *Diagnostics (Basel)*. 11 - 9, 09/2021.

Type of production: Scientific paper **Format:** Journal

Corresponding author: Yes
- 2** Pedrero-Prieto CM; García-Carpintero S; Frontiñán-Rubio J; Llanos-González E; Aguilera García C; Alcaín FJ; Lindberg I; Durán-Prado M; Peinado JR; Rabanal-Ruiz Y. Clin. A comprehensive systematic review of CSF proteins and peptides that define Alzheimer's disease. *Revista: Proteomics*. 2020 Jun 5;17:21. doi: 10.1186/s12014-020-09276-9. eCollection 2020. PMID: 32518535 Free PMC article. Review. *Clinical Proteomics*. 07/07/2020.

Type of production: Scientific paper **Format:** Journal

Corresponding author: Yes
- 3** Pedrero-Prieto CM; Flores-Cuadrado A; Saiz-Sánchez D; Úbeda-Bañón I; Frontiñán-Rubio J; Alcaín FJ; Mateos-Hernández L; Peinado JR. Human amyloid- β enriched extracts: evaluation of in vitro and in vivo internalization and molecular characterization. *revista/ Alzheimers Res Ther*. 2019 Jun 29;11(1):56. doi: 10.1186/s13195-019-0513-0. PubMed PMID: 31253170; PubMed Central PMCID: PMC6599264. *Alzheimers research and therapy*. 13/11/2019.

Type of production: Scientific paper

Corresponding author: Yes
- 4** E. Llanos-González; Á. A. Henares-Chavarino; C. M. Pedrero-Prieto; S. García-Carpintero; J. Frontiñán-Rubio; F. J. Sancho-Bielsa; F. J. Alcaín; J. R. Peinado; Y. Rabanal-Ruiz; M. Durán-Prado. Interplay Between Mitochondrial Oxidative Disorders and Proteostasis in Alzheimer's Disease}. *Front Neurosci*. 13, pp. 1444 - 1444. *Frontiers*, 2019.

Type of production: Scientific paper **Format:** Journal

Corresponding author: No
- 5** Frontiñán-Rubio J; Sancho-Bielsa FJ; Peinado JR; LaFerla FM; Giménez-Llort L; Durán-Prado M. Sex-dependent co-occurrence of hypoxia and β -amyloid plaques in hippocampus and entorhinal cortex is reversed by long-term treatment with ubiquinol and ascorbic acid in the 3 $\times$ Tg-AD mouse model of Alzheimer's disease. *revista/ Mol Cell Neurosci*. 2018 Oct;92:67-81. doi: 10.1016/j.mcn.2018.06.005. Epub 2018 Jun 25. PubMed PMID: 29953929. 08/08/2018.

Type of production: Scientific paper
- 6** Javier Frontiñán-Rubio; Raquel María Santiago-Mora; Consuelo María Nieva-Velasco; Gustavo Ferrín; Alicia Martínez-González; María Victoria Gómez; María Moreno; Julia Ariza; Eva Lozano; Jacinto Arjona-Gutiérrez; Antonio Gil-Agudo; Manuel De la Mata; Milica Pesic; Juan Ramón Peinado; José M. Villalba; Luis

Pérez-Romasanta; Víctor M. Pérez-García; Francisco J. Alcaín; Mario Durán-Prado. Regulation of the oxidative balance with coenzyme {Q}10 sensitizes human glioblastoma cells to radiation and temozolomide. Radiotherapy and Oncology: Journal of the European Society for Therapeutic Radiology and Oncology. 05/2018. ISSN 1879-0887

Type of production: Scientific paper

Format: Journal

- 7** Carmen Martínez-Losada; Juana Serrano-López; Josefina Serrano-López; Nelida I. Noguera; Eduardo Garza; Liliana Piredda; Serena Lavorgna; María Antonietta Irno Consalvo; Tiziana Ottone; Valentina Alfonso; Juan Ramón Peinado; María Victoria García-Ortiz; Teresa Morales-Ruiz; Andrés Jérez; Ana María Hurtado; Pau Montesinos; José Cervera; Esperanza Such; Marian Ibañez; Amparo Sempere; Miguel Ángel Sanz; Francesco Lo Coco; Joaquín Sánchez-García. Clonal genetic evolution at relapse of favorable-risk acute myeloid leukemia with {NPM}1 mutation is associated with phenotypic changes and worse outcomes. Haematologica. 04/2018. ISSN 1592-8721

Type of production: Scientific paper

Format: Journal

- 8** Charlene Delestre-Delacour; Ophélie Carmon; Fanny Laguerre; Catherine Estay-Ahumada; Maïté Courel; Salah Elias; Lydie Jeandel; Margarita Villar Rayo; Juan R. Peinado; Lucie Sengmanivong; Stéphane Gasman; Evelyne Coudrier; Youssef Anouar; Maité Montero-Hadjadje. Myosin 1b and F-actin are involved in the control of secretory granule biogenesis. Scientific Reports. 7 - 1, pp. 5172 - 5172. 07/2017. ISSN 2045-2322

Type of production: Scientific paper

Format: Journal

- 9** Marta G. Novelle; María J. Vázquez; Juan R. Peinado; Kátia D. Martinello; Miguel López; Simon M. Luckman; Manuel Tena-Sempere; María M. Malagón; Rubén Nogueiras; Carlos Diéguez. Sequential Exposure to {Obesogenic Factors in Females Rats: From Physiological Changes to Lipid Metabolism in Liver and Mesenteric Adipose Tissue. Scientific Reports. 7, pp. 46194 - 46194. 04/2017. ISSN 2045-2322

Type of production: Scientific paper

Format: Journal

- 10** André Sarmiento-Cabral; Juan R. Peinado; Lisa C. Halliday; María M. Malagón; Justo P. Castaño; Rhonda D. Kineman; Raúl M. Luque. Adipokines (Leptin, Adiponectin, Resistin) Differentially Regulate {All} {Hormonal} {Cell} {Types} in {Primary} {Anterior Pituitary Cell Cultures from Two Primate Species. Scientific Reports. 7, pp. 43537 - 43537. 03/2017. ISSN 2045-2322

Type of production: Scientific paper

Format: Journal

- 11** Natalia Moreno-Castellanos; Rocío Guzmán-Ruiz; David A. Cano; Ainara Madrazo-Atutxa; Juan R. Peinado; Jose L. Pereira-Cunill; Pedro Pablo García-Luna; Salvador Morales-Conde; Maria Socas-Macias; Rafael Vázquez-Martínez; Alfonso Leal-Cerro; María M. Malagón. The Effects of Bariatric Surgery-Induced Weight Loss on Adipose {Tissue} in {Morbidly} {Obese Women Depend on the Initial Metabolic Status. Obesity Surgery. 26 - 8, pp. 1757 - 1767. 2016. ISSN 1708-0428

Type of production: Scientific paper

Format: Journal

- 12** Carmen Castro-Villegas; Carlos Pérez-Sánchez; Alejandro Escudero; Ileana Filipescu; Miriam Verdu; Patricia Ruiz-Limón; Ma Angeles Aguirre; Yolanda Jiménez-Gomez; Pilar Font; Antonio Rodríguez-Ariza; Juan Ramon Peinado; Eduardo Collantes-Estévez; Rocío González-Conejero; Constantino Martinez; Nuria Barbarroja; Chary López-Pedraza. Circulating miRNAs as potential biomarkers of therapy effectiveness in rheumatoid arthritis patients treated with anti-TNF?. Arthritis Research & Therapy. 17, pp. 49 - 49. 03/2015. ISSN 1478-6362

Type of production: Scientific paper

Format: Journal

- 13** Yolanda Jimenez-Gomez; Cristina Cruz-Teno; Oriol A. Rangel-Zuñiga; Juan R. Peinado; Pablo Perez-Martinez; Javier Delgado-Lista; Antonio Garcia-Rios; Antonio Camargo; Rafael Vazquez-Martinez; Maria Ortega-Bellido; Francisco Perez-Jimenez; Helen M. Roche; Maria M. Malagón; Jose Lopez-Miranda. Effect of dietary fat modification on subcutaneous white adipose tissue insulin sensitivity in patients with metabolic syndrome. Molecular Nutrition & Food Research. 58 - 11, pp. 2177 - 2188. 11/2014. ISSN 1613-4133

Type of production: Scientific paper

Format: Journal



- 14** Elias H. Blanco; Juan R. Peinado; Martín G. Martín; Iris Lindberg. Biochemical and cell biological properties of the human prohormone convertase 1/3 {Ser}357Gly mutation: a {PC}1/3 hypermorph. *Endocrinology*. 155 - 9, pp. 3434 - 3447. 09/2014. ISSN 1945-7170
Type of production: Scientific paper **Format:** Journal
- 15** Mar López-Pelegrín; Núria Cerdà-Costa; Anna Cintas-Pedrola; Fátima Herranz-Trillo; Pau Bernadó; Juan R. Peinado; Joan L. Arolas; F. Xavier Gomis-Rüth. Multiple stable conformations account for reversible concentration-dependent oligomerization and autoinhibition of a metamorphic metallopeptidase. *Angewandte Chemie (International Ed. in English)*. 53 - 40, pp. 10624 - 10630. 09/2014. ISSN 1521-3773
Type of production: Scientific paper **Format:** Journal
- 16** Virginia Torres-Lista; Cristina Parrado-Fernández; Ismael Alvarez-Montón; Javier Frontiñán-Rubio; Mario Durán-Prado; Juan Ramón Peinado; Björn Johansson; Francisco Javier Alcaín; Lydia Giménez-Llort. Neophobia, NQO1 and SIRT1 as premorbid and prodromal indicators of AD in 3xTg-AD mice. *Behavioural Brain Research*. 271, pp. 140 - 146. 09/2014. ISSN 1872-7549
Type of production: Scientific paper **Format:** Journal
- 17** Yogikala Prabhu; Elias H. Blanco; Ming Liu; Juan R. Peinado; Matthew C. Wheeler; Nicholas Gekakis; Peter Arvan; Iris Lindberg. Defective transport of the obesity mutant PC1/3 N222D contributes to loss of function. *Endocrinology*. 155 - 7, pp. 2391 - 2401. 07/2014. ISSN 1945-7170
Type of production: Scientific paper **Format:** Journal
- 18** Juan R. Peinado; Alberto Diaz-Ruiz; Gema Frühbeck; Maria M. Malagon. Mitochondria in metabolic disease: getting clues from proteomic studies. *Proteomics*. 14 - 4-5, pp. 452 - 466. 03/2014. ISSN 1615-9861
Type of production: Scientific paper **Format:** Journal
- 19** Mario Durán-Prado; Javier Frontiñán; Raquel Santiago-Mora; Juan Ramón Peinado; Cristina Parrado-Fernández; María Victoria Gómez-Almagro; María Moreno; José Alberto López-Domínguez; José Manuel Villalba; Francisco J. Alcaín. Coenzyme Q10 protects human endothelial cells from b-amyloid uptake and oxidative stress-induced injury. *PloS One*. 9 - 10, pp. e109223 - e109223. 2014. ISSN 1932-6203
Type of production: Scientific paper **Format:** Journal
- 20** María M. Malagón; Alberto Díaz-Ruiz; Rocío Guzmán-Ruiz; Yolanda Jiménez-Gómez; Natalia R. Moreno; Socorro García-Navarro; Rafael Vázquez-Martínez; Juan R. Peinado. Adipobiology for novel therapeutic approaches in metabolic syndrome. *Current Vascular Pharmacology*. 11 - 6, pp. 954 - 967. 11/2013. ISSN 1875-6212
Type of production: Scientific paper **Format:** Journal
- 21** Juan R. Peinado; Furqan Sami; Nina Rajpurohit; Iris Lindberg. Blockade of islet amyloid polypeptide fibrillation and cytotoxicity by the secretory chaperones 7B2 and {proSAAS}. *FEBS letters*. 587 - 21, pp. 3406 - 3411. 11/2013. ISSN 1873-3468
Type of production: Scientific paper **Format:** Journal
- 22** Mar López-Pelegrín; Núria Cerdà-Costa; Francisco Martínez-Jiménez; Anna Cintas-Pedrola; Albert Canals; Juan R. Peinado; Marc A. Martí-Renom; Carlos López-Otín; Joan L. Arolas; F. Xavier Gomis-Rüth. A novel family of soluble minimal scaffolds provides structural insight into the catalytic domains of integral membrane metallopeptidases. *The Journal of Biological Chemistry*. 288 - 29, pp. 21279 - 21294. 07/2013. ISSN 1083-351X
Type of production: Scientific paper **Format:** Journal
- 23** Farid Almabouada; Alberto Diaz-Ruiz; Yoana Rabanal-Ruiz; Juan R. Peinado; Rafael Vazquez-Martinez; Maria M. Malagon. Adiponectin receptors form homomers and heteromers exhibiting distinct ligand binding and intracellular signaling properties. *The Journal of Biological Chemistry*. 288 - 5, pp. 3112 - 3125. 02/2013. ISSN 1083-351X
Type of production: Scientific paper **Format:** Journal

- 24** Pedro M. Quirós; Andrew J. Ramsay; David Sala; Erika Fernández-Vizarra; Francisco Rodríguez; Juan R. Peinado; María Soledad Fernández-García; José A. Vega; José A. Enríquez; Antonio Zorzano; Carlos López-Otín. Loss of mitochondrial protease {OMA}1 alters processing of the {GTPase} {OPA}1 and causes obesity and defective thermogenesis in mice. The EMBO journal. 31 - 9, pp. 2117 - 2133. 05/2012. ISSN 1460-2075
Type of production: Scientific paper **Format:** Journal
- 25** David Cruz-García; Alberto Díaz-Ruiz; Yoana Rabanal-Ruiz; Juan R. Peinado; Francisco Gracia-Navarro; Justo P. Castaño; Maité Montero-Hadjadje; Marie-Christine Tonon; Hubert Vaudry; Youssef Anouar; Rafael Vázquez-Martínez; María M. Malagón. The {Golgi}-associated long coiled-coil protein {NECC}1 participates in the control of the regulated secretory pathway in {PC}12 cells. The Biochemical Journal. 443 - 2, pp. 387 - 396. 04/2012. ISSN 1470-8728
Type of production: Scientific paper **Format:** Journal
- 26** Juan R. Peinado; María Pardo; Olga de la Rosa; María M. Malagón. Proteomic characterization of adipose tissue constituents, a necessary step for understanding adipose tissue complexity. Proteomics. 12 - 4-5, pp. 607 - 620. 02/2012. ISSN 1615-9861
Type of production: Scientific paper **Format:** Journal
- 27** Juan R. Peinado; Pedro M. Quirós; Marina R. Pulido; Guillermo Mariño; María L. Martínez-Chantar; Rafael Vázquez-Martínez; José M. P. Freije; Carlos López-Otín; María M. Malagón. Proteomic profiling of adipose tissue from {Zmpste}24-/- mice, a model of lipodystrophy and premature aging, reveals major changes in mitochondrial function and vimentin processing. Molecular & cellular proteomics: MCP. 10 - 11, pp. M111.008094 - M111.008094. 11/2011. ISSN 1535-9484
Type of production: Scientific paper **Format:** Journal
- 28** Arturo Roca-Rivada; Jana Alonso; Omar Al-Massadi; Cecilia Castela; Juan Ramón Peinado; Luisa María Seoane; Felipe F. Casanueva; María Pardo. Secretome analysis of rat adipose tissues shows location-specific roles for each depot type. Journal of Proteomics. 74 - 7, pp. 1068 - 1079. 06/2011. ISSN 1876-7737
Type of production: Scientific paper **Format:** Journal
- 29** Akihiko Ozawa; Juan R. Peinado; Iris Lindberg. Modulation of prohormone convertase 1/3 properties using site-directed mutagenesis. Endocrinology. 151 - 9, pp. 4437 - 4445. 09/2010. ISSN 1945-7170
Type of production: Scientific paper **Format:** Journal
- 30** Juan R. Peinado; Yolanda Jimenez-Gomez; Marina R. Pulido; María Ortega-Bellido; Cesar Diaz-Lopez; Francisco J. Padillo; Jose Lopez-Miranda; Rafael Vazquez-Martínez; María M. Malagón. The stromal-vascular fraction of adipose tissue contributes to major differences between subcutaneous and visceral fat depots. Proteomics. 10 - 18, pp. 3356 - 3366. 09/2010. ISSN 1615-9861
Type of production: Scientific paper **Format:** Journal
- 31** M. M. Malagón; D. Cruz-García; A. Díaz-Ruiz; J. R. Peinado; M. R. Pulido; J. Araújo; S. Garcia-Navarro; F. Gracia-Navarro; J. P. Castaño; R. Vázquez-Martínez. Identification of novel genes involved in the plasticity of pituitary melanotropes in amphibians. Annals of the New York Academy of Sciences. 1163, pp. 233 - 240. 04/2009. ISSN 1749-6632
Type of production: Scientific paper **Format:** Journal
- 32** C. G. Vitoria; J. R. Peinado; A. Astudillo; O. García-Suárez; M. V. González; C. Suárez; S. Cal. Human {DESC}1 serine protease confers tumorigenic properties to {MDCK} cells and it is upregulated in tumours of different origin. British Journal of Cancer. 97 - 2, pp. 201 - 209. 07/2007. ISSN 0007-0920
Type of production: Scientific paper **Format:** Journal
- 33** D. Cruz-García; R. Vazquez-Martinez; J. R. Peinado; Y. Anouar; M. C. Tonon; H. Vaudry; J. P. Castaño; M. M. Malagón. Identification and characterization of two novel (neuro)endocrine long coiled-coil proteins. FEBS letters. 581 - 17, pp. 3149 - 3156. 07/2007. ISSN 0014-5793

**Type of production:** Scientific paper**Format:** Journal

- 34** Rafael Vazquez-Martinez; David Cruz-Garcia; Mario Duran-Prado; Juan R. Peinado; Justo P. Castaño; Maria M. Malagon. Rab18 inhibits secretory activity in neuroendocrine cells by interacting with secretory granules. Traffic (Copenhagen, Denmark). 8 - 7, pp. 867 - 882. 07/2007. ISSN 1398-9219

Type of production: Scientific paper**Format:** Journal

- 35** R. M. Luque; J. R. Peinado; F. Gracia-Navarro; F. Broglio; E. Ghigo; R. D. Kineman; M. M. Malagón; J. P. Castaño. Cortistatin mimics somatostatin by inducing a dual, dose-dependent stimulatory and inhibitory effect on growth hormone secretion in somatotropes. Journal of Molecular Endocrinology. 36 - 3, pp. 547 - 556. 06/2006. ISSN 0952-5041

Type of production: Scientific paper**Format:** Journal

- 36** J. R. Peinado; D. Cruz-García; R. Vázquez-Martínez; Y. Anouar; M. C. Tonon; H. Vaudry; F. Gracia-Navarro; J. P. Castaño; M. M. Malagón. {RT}-{PCR} analysis of the expression of {POMC} and its processing enzyme {PC}1 in amphibian melanotropes. General and Comparative Endocrinology. 147 - 2, pp. 222 - 230. 06/2006. ISSN 0016-6480

Type of production: Scientific paper**Format:** Journal

- 37** J. R. Peinado; R. Vazquez-Martinez; D. Cruz-García; A. Ruiz-Navarro; Y. Anouar; M. C. Tonon; H. Vaudry; F. Gracia-Navarro; J. P. Castano; M. M. Malagón. Differential expression and processing of chromogranin {A} and secretogranin {II} in relation to the secretory status of endocrine cells. Endocrinology. 147 - 3, pp. 1408 - 1418. 03/2006. ISSN 0013-7227

Type of production: Scientific paper**Format:** Journal

- 38** Santiago Cal; Juan R. Peinado; María Llamazares; Víctor Quesada; Angela Moncada-Pazos; Cecilia Garabaya; Carlos López-Otín. Identification and characterization of human polyserase-3, a novel protein with tandem serine-protease domains in the same polypeptide chain. BMC biochemistry. 7, pp. 9 - 9. 03/2006. ISSN 1471-2091

Type of production: Scientific paper**Format:** Journal

- 39** R. Vázquez-Martínez; J. R. Peinado; D. Cruz-García; A. Ruiz-Navarro; F. Gracia-Navarro; Y. Anouar; M. C. Tonon; H. Vaudry; J. P. Castaño; M. M. Malagón. Melanotrope cells as a model to understand the (patho)physiological regulation of hormone secretion. Journal of Endocrinological Investigation. 28 - 10, pp. 949 - 958. 11/2005. ISSN 0391-4097

Type of production: Scientific paper**Format:** Journal

- 40** Araceli Díaz-Perales; Víctor Quesada; Juan R. Peinado; Alejandro P. Ugalde; Jesús Alvarez; María F. Suárez; F. Xavier Gomis-Rüth; Carlos López-Otín. Identification and characterization of human archaemetzincin-1 and -2, two novel members of a family of metalloproteases widely distributed in {Archaea}. The Journal of Biological Chemistry. 280 - 34, pp. 30367 - 30375. 08/2005. ISSN 0021-9258

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- 41** Juan R. Peinado; Virginie Laurent; Sang-Nam Lee; Bonnie W. Peng; John E. Pintar; Donald F. Steiner; Iris Lindberg. Strain-dependent influences on the hypothalamo-pituitary-adrenal axis profoundly affect the 7B2 and {PC}2 null phenotypes. Endocrinology. 146 - 8, pp. 3438 - 3444. 08/2005. ISSN 0013-7227

Type of production: Scientific paper**Format:** Journal

- 42** M. M. Malagón; D. Cruz; R. Vázquez-Martínez; J. R. Peinado; Y. Anouar; M. C. Tonon; H. Vaudry; F. Gracia-Navarro; J. P. Castaño. Analysis of {Rab}18 and a new golgin in the secretory pathway. Annals of the New York Academy of Sciences. 1040, pp. 137 - 139. 04/2005. ISSN 0077-8923

Type of production: Scientific paper**Format:** Journal

- 43** Juan R. Peinado; Magdalena M. Kacprzak; Stephen H. Leppla; Iris Lindberg. Cross-inhibition between furin and lethal factor inhibitors. *Biochemical and Biophysical Research Communications*. 321 - 3, pp. 601 - 605. 08/2004. ISSN 0006-291X
Type of production: Scientific paper **Format:** Journal
- 44** Magdalena M. Kacprzak; Juan R. Peinado; Manuel E. Than; Jon Appel; Stefan Henrich; Gregory Lipkind; Richard A. Houghten; Wolfram Bode; Iris Lindberg. Inhibition of furin by polyarginine-containing peptides: nanomolar inhibition by nona-{D}-arginine. *The Journal of Biological Chemistry*. 279 - 35, pp. 36788 - 36794. 08/2004. ISSN 0021-9258
Type of production: Scientific paper **Format:** Journal
- 45** Miroslav S. Sarac; Juan R. Peinado; Stephen H. Leppla; Iris Lindberg. Protection against anthrax toxemia by hexa-{D}-arginine in vitro and in vivo. *Infection and Immunity*. 72 - 1, pp. 602 - 605. 01/2004. ISSN 0019-9567
Type of production: Scientific paper **Format:** Journal
- 46** Juan R. Peinado; Hong Li; Karla Johanning; Iris Lindberg. Cleavage of recombinant proenkephalin and blockade mutants by prohormone convertases 1 and 2: an in vitro specificity study. *Journal of Neurochemistry*. 87 - 4, pp. 868 - 878. 11/2003. ISSN 0022-3042
Type of production: Scientific paper **Format:** Journal
- 47** F. Gracia-Navarro; J. P. Castaño; M. M. Malagon; A. Sánchez-Hormigo; R. M. Luque; G. J. Hickey; J. R. Peinado; E. Delgado; A. J. Martínez-Fuentes. Research progress in the stimulatory inputs regulating growth hormone ({GH}) secretion. *Comparative Biochemistry and Physiology. Part B, Biochemistry & Molecular Biology*. 132 - 1, pp. 141 - 150. 05/2002. ISSN 1096-4959
Type of production: Scientific paper **Format:** Journal
- 48** F. Gracia-Navarro; M. M. Malagón; J. P. Castaño; S. García-Navarro; A. Sánchez-Hormigo; R. M. Luque; J. R. Peinado; E. Delgado. Secretory plasticity of pituitary cells: a mechanism of hormonal regulation. *Archives of Physiology and Biochemistry*. 110 - 1-2, pp. 106 - 112. 04/2002. ISSN 1381-3455
Type of production: Scientific paper **Format:** Journal
- 49** Juan R. Peinado; Justo P. Castaño; Rafael Vázquez-Martínez; Youssef Anouar; Marie Christine Tonon; Hubert Vaudry; Francisco Gracia-Navarro; María M. Malagón. Amphibian melanotrophs as a model to analyze the secretory plasticity of endocrine cells. *General and Comparative Endocrinology*. 126 - 1, pp. 4 - 6. 03/2002. ISSN 0016-6480
Type of production: Scientific paper **Format:** Journal
- 50** R. Vazquez-Martinez; J. R. Peinado; J. L. Gonzalez De Aguilar; L. Desrues; M. C. Tonon; H. Vaudry; F. Gracia-Navarro; M. M. Malagon. Melanotrope cell plasticity: a key mechanism for the physiological adaptation to background color changes. *Endocrinology*. 142 - 7, pp. 3060 - 3067. 07/2001. ISSN 0013-7227
Type of production: Scientific paper **Format:** Journal

Works submitted to national or international conferences

Title of the work: Intracellular signaling mechanisms mediating GHRP-6 effects on the porcine somatotrope. PRESENTACIÓN: Poster CONGRESO: 9th Meeting of the European Neuroendocrine Association. LUGAR: Odense. Denmark. 1999

Other achievements

Stays in public or private R&D centres

- 1** **Entity:** DEPARTMENT OF ANATOMY AND NEUROBIOLOGY. MEDICAL SCHOOL
City of entity: BALTIMORE, United States of America
Start-End date: 09/2019 - 02/2020 **Duration:** 6 months
Name of programme: EL EFECTO DE LAS CHAPERONAS SOBRE LOS AGREGADOS RELACIONADOS CON ENFERMEDADES NEURODEGENERATIVAS.
Goals of the stay: Post-doctoral
- 2** **Entity:** DEPARTMENT OF ANATOMY AND NEUROBIOLOGY. MEDICAL SCHOOL
City of entity: BALTIMORE.,
Start-End date: 07/2013 - 10/2013 **Duration:** 3 months
Name of programme: ENSAYOS DE ACTIVIDAD DE PROTEASAS IMPLICADAS EN ENFERMEDADES NEURODEGENERATIVAS Y CANCER.
Goals of the stay: Post-doctoral
- 3** **Entity:** DEPTO. DE BIOLOGÍA ESTRUCTURAL DEL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS (IBMB-CSIC).
City of entity: BARCELONA, Spain
Start-End date: 07/2004 - 01/2005 **Duration:** 7 months
Name of programme: PREPARACIÓN, CRISTALIZACIÓN Y ANÁLISIS ESTRUCTURAL DE PROTEÍNAS DE MEMBRANA.
Goals of the stay: Post-doctoral
- 4** **Entity:** DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY. LOUISIANA HEALTH SCIENCE CENTER (LSUHSC)
City of entity: NUEVA ORLEANS, LOUISIANA, United States of America
Start-End date: 01/2003 - 08/2004
Name of programme: 1) ESTUDIO DE LA ACTIVIDAD IN VITRO DE LAS PROTEASAS PC1 Y PC2, MUTAGENESIS DIRIGIDA. 1) INHIBIDORES ESPECÍFICOS DE FURINA Y SU USO FRENTE A AGENTES PATOGENOS.
Goals of the stay: Post-doctoral
- 5** **Entity:** DEPTO. DE NEUROENDOCRINOLOGÍA CELULAR Y MOLECULAR, INSERM U413
City of entity: ROUEN, NORMANDIA, France
Start date: 06/2002
Name of programme: ESTUDIOS BIOQUÍMICOS SOBRE LAS MELANOTROPAS DE RANA RIDIBUNDA
Goals of the stay: Doctorate
- 6** **Entity:** DEPTO. DE NEUROENDOCRINOLOGÍA CELULAR Y MOLECULAR, INSERM U413
City of entity: ROUEN, NORMANDIA, France
Start date: 05/2001
Name of programme: ESTUDIOS BIOQUÍMICOS SOBRE LAS MELANOTROPAS DE RANA RIDIBUNDA
Goals of the stay: Doctorate



- 7** **Entity:** DEPTO. DE FISILOGIA ANIMAL DE LA UNIVERSIDAD DE NIJMEGEN
City of entity: NIJMEGEN, Holland
Start date: 10/1996
Name of programme: PARTE DE LA TESIS DE LICENCIATURA. ESTUDIOS SOBRE LA FISIOLÓGIA DE LA HIPOFISIS DE XENOPUS LAEVIS
Goals of the stay: O, ERASMUS DE INVESTIGACIÓN

Obtained accreditations/recognitions

Description: Acreditación a Catedrático de Universidad

Accrediting entity: Agencia Nacional de Evaluación de la Calidad y Acreditación **Type of entity:** ANECA

Date of recognition: 02/2021