CV Date	12/03/2026

Part A. PERSONAL INFORMATION

First Name *	Juan Ramón		
Family Name *	Peinado Mena		
Sex *	Male	Date of Birth *	
ID number Social Security, Passport *		Phone Number *	
URL Web			
Email Address	juanramon.peinado@uclm.es		
Researcher's identification number	Open Researcher and Contributor ID (ORCID) *	0000-0002-0004-7963	
	Researcher ID		
	Scopus Author ID		

* Mandatory

A.1. Current position

Job Title	Full Professor (Catedrático)		
Starting date	2022		
Institution	University of Castilla la Mancha		
Department / Centre			
Country		Phone Number	
Keywords	Analysis of biological samples (proteomic); Molecular markers and recognition; Insanity senile (alzheimer, parkinson)		

A.3. Education

Degree/Master/PhD	University / Country	Year
Degree in Biology	University of Cordoba	2002
Doctorate in Sciences	University of Cordoba	2002
Degree in Biochemistry	University of Cordoba	1997

A.4. General quality indicators of scientific production

Publications: 59 Total. Citing Articles: 1,331 Without self-citations. Cited 1,742 Times Cited Without self-citations. 30.6 Average per item. H-Index 25

Part B. CV SUMMARY

I completed my doctoral thesis, "The melanotrope pituitary cell as a model for studying the regulation of secretory plasticity," which was awarded a "Cum Laude" distinction and recognized with the European Doctorate mention. In this work, Rab18 and NECC2 proteins were identified at the endocrine level for the first time. My studies on Rab18 have led to three doctoral theses at the University of Córdoba, while those on NECC2 have resulted in two more. Dr. Yoana Rabanal, one of these doctoral candidates who followed in my footsteps, joined my research group and became the Principal Investigator (PI) of a regional project and Co-IP of the EMAS Group.

After a highly productive postdoctoral stage in the United States, I joined the prestigious Department of Biochemistry at the University of Oviedo, directed by Dr. Carlos López-Otín, where I worked for three years on a joint project with the Spanish National Research Council (CSIC). During this period, I contributed to the training of several researchers, most notably Pedro Moral Quirós, whose doctoral thesis I co-supervised during my tenure there. I concluded these studies with the specialized protein crystallography group at the Barcelona Science Park (CSIC), led by Dr. Xavier Gomis-Ruth.

In 2008, I joined the Department of Cell Biology at the University of Córdoba, where, as part of the CIBEROB network, I worked under the direction of Dr. María del Mar Malagón on an ambitious project focused on adipose tissue and pathologies derived from proteomic studies. These studies established, for the first time, the proteomic profile of the components of human adipose tissue and are nowadays reference publications on the field.

Additionally, my research stays at renowned centers in the United States (Baltimore and New Orleans), France (Rouen), the Netherlands (Nijmegen), and various centers in Spain have enabled me to consolidate a collaboration network that remains active to this day.(see below)

In 2010, I enthusiastically joined a new project to establish the area of Cell Biology in the Department of Medical Sciences at the Faculty of Medicine in Ciudad Real. Currently, as a Full Professor and member of the EMAS (Estudios Moleculares Asociados a Ciencias de la Salud) group at the University of Castilla-La Mancha (UCLM), I participate in research projects on Biomarker discovery in different brain diseases, with a particular focus on Alzheimer's disease and specifically on identifying progression biomarkers. In this regard, over the past years, I have co-supervised three doctoral theses focused on the biomarker discovery in biofluids, mainly LCR and blood. (se below)

Since 2012, I have promoted seminars on advances in biomedical research at the Faculty of Medicine in Ciudad Real (as Organizer), establishing these events as key forums in Castilla-La Mancha. Additionally, I organize and preside over the annual "Ciudad Real Biomédica" forum and created a program to inspire research vocations among medical students. I am coordinator of the panel: “Technologies for the development of new drugs and vaccines, including bioinformatics, nanomaterials, cell therapies, tissue engineering, and artificial tissues or organs” of the research grant program of the “Comunidad de Madrid”.

My primary research focus, as reflected in my work, is the identification of biomarkers related to brain pathologies including neurodegeneration. This has driven my efforts to develop methods for characterizing these biomarkers. These investigations have been funded through competitive grants, enabling patent applications. Furthermore, I have collaborated with UCLM researchers such as David Villa Alises to create predictive algorithms for the disease. Thanks to projects with neurologists like Tomás Segura and support from ethical committees, these studies are expected to lead to the development of key, accessible technologies for understanding the individual evolution of Alzheimer's disease. Recently (January 2025), I am participating in a Fase 3 project of 450.000 € where I am responsible of the whole associated proteomic study: “Tratamiento con APROTININA del Síndrome de Distrés Respiratorio Agudo: Ensayo Multicéntrico, Controlado con Placebo, Doble Ciego”. I have participated in ore thatn 20 research proyects.

Part C. RELEVANT ACCOMPLISHMENTS

C.1. Publications

AC: corresponding author. (nº x / nº y): position / total authors. If applicable, indicate the number of citations

1. **Scientific paper**. Yoana Rabanal-Ruiz; Cristina Pedrero Prieto; Lucia Sanchez-Rodriguez; et al; Juan Ramon Peinado. 2024. Differential accumulation of human β-amyloid and tau from enriched extracts in neuronal and endothelial cells. BBA: Molecular Basis of Disease. Elsevier. Acepted.
2. **Scientific paper**. 2024. Longitudinal Assessment of Nasopharyngeal Biomarkers Post-COVID-19: Unveiling Persistent Markers and Severity Correlations.
3. **Scientific paper**. Frontinan-Rubio Javier; Yoana Rabanal-Ruiz; Juan Ramon Peinado; Deierborg T. 2023. Editorial: Present and future of biological fluid biomarkers in dementia.Front Aging Neurosci. Frontiers. 15.
4. **Scientific paper**. Emilio Llanos; FJ Sancho-Bielsa; FJ Frontinan-rubio; et al; M Duran-Prado. 2023. Spatial and Temporal Protein Modules Signatures Associated with Alzheimer Disease in 3xTg-AD Mice Are Restored by Early Ubiquinol Supplementation.Antioxidants. Basel. 12.

5 **Scientific paper**. Carmen; Carmen; Alberto; Juan Ramón; Andrea; Julia. 2022. Influence of Protein Carbonylation on Human Adipose Tissue Dysfunction in Obesity and Insulin Resistance. Biomedicines. MDPI.

6 **Scientific paper**. Javier Frontinan-Rubio 1; Emilio Llanos-Gonzalez 2; Sonia García-Carpintero 3; et al; Francisco Alcain. 2022. CoQ(10) reduces glioblastoma growth and infiltration through proteome remodeling and inhibition of angiogenesis and inflammation. Cellular Oncology. Springer.

7 **Scientific paper**. Juan Ramon Peinado; James Shorter; Edward Barbieri; Timothy Jarvela; Kriti Chaplot; Iris Lindberg. 2022. Sequestration of TDP-43(216-414) Aggregates by Cytoplasmic Expression of the proSAAS Chaperone. ACS CHEMICAL NEUROSCIENCE. ACS. May 2022.

8 **Scientific paper**. Pedrero-Prieto, C. M.; Frontiñán-Rubio, J.; Alcaín, F. J.; Durán-Prado, M.; Peinado, J. R.; Rabanal-Ruiz, Y.2021. 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.

9 **Scientific paper**. Pedrero-Prieto CM; García-Carpintero S; Frontiñán-Rubio J; et al; Rabanal-Ruiz Y. Clin. 2020. 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.

10 **Scientific paper**. Pedrero-Prieto CM; Flores-Cuadrado A; Saiz-Sánchez D; Úbeda-Bañón I; Frontiñán-Rubio J; Alcaín FJ; Mateos-Hernández L; Peinado JR. 2019. 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.Alzheimrs research and therapy.

11 **Scientific paper**. Llanos-González, E.; Henares-Chavarino, Á. A.; Pedrero-Prieto, C. M.; et al; Durán-Prado, M.2019. Interplay Between Mitochondrial Oxidative Disorders and Proteostasis in Alzheimer's Disease}. Front Neurosci. Frontiers. 13, pp.1444-1444.

12 **Scientific paper**. Frontiñán-Rubio J; Sancho-Bielsa FJ; Peinado JR; LaFerla FM; Giménez-Llort L; Durán-Prado M. 2018. 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□×□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.

13 **Scientific paper**. Frontiñán-Rubio, Javier; Santiago-Mora, Raquel María; Nieva-Velasco, Consuelo María; et al; Durán-Prado, Mario. 2018. 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. ISSN 1879-0887.

14 **Scientific paper**. Martínez-Losada, Carmen; Serrano-López, Juana; Serrano-López, Josefina; et al; Sánchez-García, Joaquín. 2018. Clonal genetic evolution at relapse of favorable-risk acute myeloid leukemia with {NPM}1 mutation is associated with phenotypic changes and worse outcomes. Haematologica. ISSN 1592-8721.

15 **Scientific paper**. Delestre-Delacour, Charlène; Carmon, Ophélie; Laguerre, Fanny; et al; Montero-Hadjadje, Maité. 2017. Myosin 1b and F-actin are involved in the control of secretory granule biogenesis. Scientific Reports. 7-1, pp.5172-5172. ISSN 2045-2322.

16 **Scientific paper**. Novelle, Marta G.; Vázquez, María J.; Peinado, Juan R.; et al; Diéguez, Carlos. 2017. 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. ISSN 2045-2322.

17 **Scientific paper**. Sarmento-Cabral, André; Peinado, Juan R.; Halliday, Lisa C.; Malagon, María M.; Castaño, Justo P.; Kineman, Rhonda D.; Luque, Raúl M.2017. 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. ISSN 2045-2322.

18 **Scientific paper**. Moreno-Castellanos, Natalia; Guzmán-Ruiz, Rocío; Cano, David A.; et al; Malagón, María M.2016. 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. ISSN 1708-0428.

19 **Scientific paper**. Castro-Villegas, Carmen; Pérez-Sánchez, Carlos; Escudero, Alejandro; et al; López-Pedrera, Chary. 2015. Circulating miRNAs as potential biomarkers of therapy effectiveness in rheumatoid arthritis patients treated with anti-TNF?. Arthritis Research & Therapy. 17, pp.49-49. ISSN 1478-6362.

20 **Scientific paper**. Jimenez-Gomez, Yolanda; Cruz-Teno, Cristina; Rangel-Zuñiga, Oriol A.; et al; Lopez-Miranda, Jose. 2014. 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. ISSN 1613-4133.

21 **Scientific paper**. Blanco, Elias H.; Peinado, Juan R.; Martín, Martín G.; Lindberg, Iris. 2014. 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. ISSN 1945-7170.

22 **Scientific paper**. López-Pelegrín, Mar; Cerdà-Costa, Núria; Cintas-Pedrola, Anna; Herranz-Trillo, Fátima; Bernadó, Pau; Peinado, Juan R.; Arolas, Joan L.; Gomis-Rüth, F. Xavier. 2014. 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. ISSN 1521-3773.

23 **Scientific paper**. Torres-Lista, Virginia; Parrado-Fernández, Cristina; Alvarez-Montón, Ismael; et al; Giménez-Llort, Lydia. 2014. Neophobia, NQO1 and SIRT1 as premorbid and prodromal indicators of AD in 3xTg-AD mice. Behavioural Brain Research. 271, pp.140-146. ISSN 1872-7549.

24 **Scientific paper**. Prabhu, Yogikala; Blanco, Elias H.; Liu, Ming; Peinado, Juan R.; Wheeler, Matthew C.; Gekakis, Nicholas; Arvan, Peter; Lindberg, Iris. 2014. Defective transport of the obesity mutant PC1/3 N222D contributes to loss of function. Endocrinology. 155-7, pp.2391-2401. ISSN 1945-7170.

25 **Scientific paper**. Peinado, Juan R.; Diaz-Ruiz, Alberto; Frühbeck, Gema; Malagon, Maria M.2014. Mitochondria in metabolic disease: getting clues from proteomic studies. Proteomics. 14-4-5, pp.452-466. ISSN 1615-9861.

26 **Scientific paper**. Durán-Prado, Mario; Frontiñán, Javier; Santiago-Mora, Raquel; et al; Alcaín, Francisco J.2014. Coenzyme Q10 protects human endothelial cells from b-amyloid uptake and oxidative stress-induced injury. PloS One. 9-10, pp.e109223-e109223. ISSN 1932-6203.

27 **Scientific paper**. Malagón, María M.; Díaz-Ruiz, Alberto; Guzmán-Ruiz, Rocío; Jiménez-Gómez, Yolanda; Moreno, Natalia R.; García-Navarro, Socorro; Vázquez-Martínez, Rafael; Peinado, Juan R.2013. Adipobiology for novel therapeutic approaches in metabolic syndrome. Current Vascular Pharmacology. 11-6, pp.954-967. ISSN 1875-6212.

28 **Scientific paper**. Peinado, Juan R.; Sami, Furqan; Rajpurohit, Nina; Lindberg, Iris. 2013. Blockade of islet amyloid polypeptide fibrillation and cytotoxicity by the secretory chaperones 7B2 and {proSAAS}. FEBS letters. 587-21, pp.3406-3411. ISSN 1873-3468.

29 **Scientific paper**. López-Pelegrín, Mar; Cerdà-Costa, Núria; Martínez-Jiménez, Francisco; et al; Gomis-Rüth, F. Xavier. 2013. 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. ISSN 1083-351X.

30 **Scientific paper**. Almabouada, Farid; Diaz-Ruiz, Alberto; Rabanal-Ruiz, Yoana; Peinado, Juan R.; Vazquez-Martinez, Rafael; Malagon, Maria M.2013. Adiponectin receptors form homomers and heteromers exhibiting distinct ligand binding and intracellular signaling properties. The Journal of Biological Chemistry. 288-5, pp.3112-3125. ISSN 1083-351X.

31 **Scientific paper**. Quirós, Pedro M.; Ramsay, Andrew J.; Sala, David; et al; López-Otín, Carlos. 2012. 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. ISSN 1460-2075.

32 **Scientific paper**. Cruz-García, David; Díaz-Ruiz, Alberto; Rabanal-Ruiz, Yoana; et al; Malagón, María M.2012. 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. ISSN 1470-8728.

33 **Scientific paper**. Peinado, Juan R.; Pardo, María; de la Rosa, Olga; Malagón, Maria M.2012. Proteomic characterization of adipose tissue constituents, a necessary step for understanding adipose tissue complexity. Proteomics. 12-4-5, pp.607-620. ISSN 1615-9861.

34 **Scientific paper**. Peinado, Juan R.; Quirós, Pedro M.; Pulido, Marina R.; et al; Malagón, María M.2011. 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. ISSN 1535-9484.

35 **Scientific paper**. Roca-Rivada, Arturo; Alonso, Jana; Al-Massadi, Omar; Castelao, Cecilia; Peinado, Juan Ramón; Seoane, Luisa María; Casanueva, Felipe F.; Pardo, María. 2011. Secretome analysis of rat adipose tissues shows location-specific roles for each depot type. Journal of Proteomics. 74-7, pp.1068-1079. ISSN 1876-7737.

36 **Scientific paper**. Ozawa, Akihiko; Peinado, Juan R.; Lindberg, Iris. 2010. Modulation of prohormone convertase 1/3 properties using site-directed mutagenesis. Endocrinology. 151-9, pp.4437-4445. ISSN 1945-7170.

37 **Scientific paper**. Peinado, Juan R.; Jimenez-Gomez, Yolanda; Pulido, Marina R.; et al; Malagón, María M.2010. The stromal-vascular fraction of adipose tissue contributes to major differences between subcutaneous and visceral fat depots. Proteomics. 10-18, pp.3356-3366. ISSN 1615-9861.

38 **Scientific paper**. Malagón, M. M.; Cruz-García, D.; Díaz-Ruiz, A.; et al; Vázquez-Martínez, R.2009. 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. ISSN 1749-6632.

39 **Scientific paper**. Viloria, C. G.; Peinado, J. R.; Astudillo, A.; García-Suárez, O.; González, M. V.; Suárez, C.; Cal, S.2007. 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. ISSN 0007-0920.

40 **Scientific paper**. Cruz-Garcia, D.; Vazquez-Martinez, R.; Peinado, J. R.; Anouar, Y.; Tonon, M. C.; Vaudry, H.; Castaño, J. P.; Malagon, M. M.2007. Identification and characterization of two novel (neuro)endocrine long coiled-coil proteins. FEBS letters. 581-17, pp.3149-3156. ISSN 0014-5793.

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

42 **Scientific paper**. Luque, R. M.; Peinado, J. R.; Gracia-Navarro, F.; Broglio, F.; Ghigo, E.; Kineman, R. D.; Malagón, M. M.; Castaño, J. P.2006. 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. ISSN 0952-5041.

43 **Scientific paper**. Peinado, J. R.; Cruz-García, D.; Vázquez-Martínez, R.; et al; Malagón, M. M.2006. {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. ISSN 0016-6480.

44 **Scientific paper**. Peinado, J. R.; Vazquez-Martinez, R.; Cruz-García, D.; et al; Malagón, M. M.2006. 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. ISSN 0013-7227.

45 **Scientific paper**. Cal, Santiago; Peinado, Juan R.; Llamazares, María; Quesada, Víctor; Moncada-Pazos, Angela; Garabaya, Cecilia; López-Otín, Carlos. 2006. 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. ISSN 1471-2091.

46 **Scientific paper**. Vàzquez-Martínez, R.; Peinado, J. R.; Cruz-García, D.; et al; Malagón, M. M.2005. Melanotrope cells as a model to understand the (patho)physiological regulation of hormone secretion. Journal of Endocrinological Investigation. 28-10, pp.949-958. ISSN 0391-4097.

47 **Scientific paper**. Díaz-Perales, Araceli; Quesada, Víctor; Peinado, Juan R.; Ugalde, Alejandro P.; Alvarez, Jesús; Suárez, María F.; Gomis-Rüth, F. Xavier; López-Otín, Carlos. 2005. 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. ISSN 0021-9258.

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

49 **Scientific paper**. Malagón, M. M.; Cruz, D.; Vázquez-Martínez, R.; et al; Castaño, J. P.2005. Analysis of {Rab}18 and a new golgin in the secretory pathway. Annals of the New York Academy of Sciences. 1040, pp.137-139. ISSN 0077-8923.

50 **Scientific paper**. Peinado, Juan R.; Kacprzak, Magdalena M.; Leppla, Stephen H.; Lindberg, Iris. 2004. Cross-inhibition between furin and lethal factor inhibitors. Biochemical and Biophysical Research Communications. 321-3, pp.601-605. ISSN 0006-291X.

51 **Scientific paper**. Kacprzak, Magdalena M.; Peinado, Juan R.; Than, Manuel E.; et al; Lindberg, Iris. 2004. Inhibition of furin by polyarginine-containing peptides: nanomolar inhibition by nona-{D}-arginine. The Journal of Biological Chemistry. 279-35, pp.36788-36794. ISSN 0021-9258.

52 **Scientific paper**. Sarac, Miroslav S.; Peinado, Juan R.; Leppla, Stephen H.; Lindberg, Iris. 2004. Protection against anthrax toxemia by hexa-{D}-arginine in vitro and in vivo. Infection and Immunity. 72-1, pp.602-605. ISSN 0019-9567.

53 **Scientific paper**. Peinado, Juan R.; Li, Hong; Johanning, Karla; Lindberg, Iris. 2003. 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. ISSN 0022-3042.

54 **Scientific paper**. Gracia-Navarro, F.; Castaño, J. P.; Malagon, M. M.; et al; Martínez-Fuentes, A. J.2002. 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. ISSN 1096-4959.

55 **Scientific paper**. Gracia-Navarro, F.; Malagón, M. M.; Castaño, J. P.; García-Navarro, S.; Sánchez-Hormigo, A.; Luque, R. M.; Peinado, J. R.; Delgado, E.2002. Secretory plasticity of pituitary cells: a mechanism of hormonal regulation. Archives of Physiology and Biochemistry. 110-1-2, pp.106-112. ISSN 1381-3455.

56 **Scientific paper**. Peinado, Juan R.; Castaño, Justo P.; Vázquez-Martínez, Rafael; Anouar, Youssef; Tonon, Marie Christine; Vaudry, Hubert; Gracia-Navarro, Francisco; Malagón, María M.2002. Amphibian melanotrophs as a model to analyze the secretory plasticity of endocrine cells. General and Comparative Endocrinology. 126-1, pp.4-6. ISSN 0016-6480.

57 **Scientific paper**. Vazquez-Martinez, R.; Peinado, J. R.; Gonzalez De Aguilar, J. L.; Desrues, L.; Tonon, M. C.; Vaudry, H.; Gracia-Navarro, F.; Malagon, M. M.2001. Melanotrope cell plasticity: a key mechanism for the physiological adaptation to background color changes. Endocrinology. 142-7, pp.3060-3067. ISSN 0013-7227.

C.3. Research projects and contracts

1 **Project**. Envejecimiento celular acelerado para la búsqueda de marcadores tempranos asociados a la enfermedad de alzheimer. Mario Duran Prado. (universidad de Castilla la Mancha). 30/12/2026-30/12/2029. 3 €.

2 **Project**. APROTININ Treatment of Acute Respiratory Distress Syndrome: Multicenter, Placebo-Controlled, Double-Blind, Phase III Trial.. Francisco Redondo. (Hospital Nacional de Parapléjicos). 2025-2028. 449.000 €.

3 **Project**. Transfer Program 2024-TRAN-36723. 00570FP437. NeuroGuard: Technology for Alzheimer's prognosis. David Villa. (Universidad de Castilla-La Mancha). 01/06/2024-31/05/2026. 16.087 €.

4 **Project**. Paneles híbridos proteína-miRNA como herramienta clínica para el diagnóstico y predicción en la enfermedad de Alzheimer. Tomás Segura. (Universidad de Castilla-La Mancha). 2025-2026. 10.000 €.
5 **Project**. Creación de una Unidad de Documentación Molecular y Multiplexing centrado en la traslacionalidad a la clínica. Juan Ramon Peinado. (Universidad de Castilla-La Mancha). 2024-2024. 208.000 €.
6 **Project**. Development of a protein array to identify the development stage of Alzheimer's Disease (AD) in fluid samples". Juan Ramon Peinado Mena. (Universidad de Castilla-La Mancha). 2023-2023. 4.800 €.
7 **Project**. Efecto de la normalización del balance redox sobre el desequilibrio proteostásico asociado a la Enfermedad de Alzheimer.. MINECO SAF2016-79311-R (AEI/FEDER; UE). Mario Durán Prado. From 30/12/2016. 129.000 €.
8 **Project**. Evaluación De Los Sueros De Los Pacientes Con Deterioro Cognitivo Ligero Entervenidos Con Ubiquinol Sobre El Endotelio Vascular Cerebral, In Vitro.. Diputación de. Mario Durán Prado. From 08/12/2016. 10.000 €.
9 **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. Consejería de Educación Ciencia y Cultura; Junta de. Francisco Javier Alcain Tejada. From 27/09/2014.
10 **Project**. Riesgo cardiovascular en pacientes con obesidad morbida: Impacto de la pérdida de peso.. Junta de Andalucía. Conserjería de salud.. Alfonso Leal Cerro. From 04/2009.
11 **Project**. Bases celulares y moleculares del síndrome metabólico: efecto de la composición grasa de la dieta en el funcionamiento del tejido adiposo. Junta de Andalucía. Proyecto de Excelencia.. Maria del Mar Malagón Poyato. From 04/2008.
12 **Project**. Preparación, cristalización y análisis estructural de proteínas de membrana.. Programa de actividad investigadora Consolider-Ingenio 2010: Factoría de cristalización.. Xavier Gomis Ruth. From 09/2006.
13 **Project**. Extracellular proteases and the Cancer Degradome: Innovative Diagnostic Markers, Therapeutic targets and tumour imaging agents (Cancerdegradome).. Unión Europea. UE-04-LSHC-CT-2003-503297. Carlos López Otín. From 09/2004.
14 **Project**. Blockade of Anthrax Cytotoxicity Using Furin Inhibitors. 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). Iris Lindberg. From 01/2004.
15 **Project**. Control of Peptide Hormone Biosynthesis by PC2 and 7B2.. 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). Iris Lindberg. From 01/2004.
16 **Project**. El Péptido D6R como potencial terapéutico en el bloqueo de la citotoxicidad de la toxina del Anthrax.. Secretaría General de Universidades e Investigación de la Junta de Andalucía.. Iris Lindberg. From 01/2004.
17 **Project**. Opioid Peptide Synthesizing Enzymes.. National Institute on Drug Abuse (NIDA). Iris Lindberg. From 01/2004.
18 **Project**. Estudio de mecanismos celulares y moleculares implicados en el control de la plasticidad secretora.. Ministerio de Ciencia y Tecnología HF2001-0103.. María del Mar Malagón Poyato. From 2003.
19 **Project**. Frog melanotroph cell as a model to elucidate the molecular basis of secretory plasticity of endocrine cells.. European Science Foundation. 2001/EG/23.. Hubert Vaudry. From 06/2002.
20 **Project**. Biología celular de la célula endocrina: mecanismos moleculares y celulares implicados en la regulación del ciclo secretor.. Junta de Andalucía CVI 139. María del Mar Malagón Poyato. From 2001.
21 **Project**. Clonaje de los receptores de los factores implicados en la producción de hormona del crecimiento en el cerdo.. Ministerio de Ciencia y Tecnología. IFD1997-0582. Maria del Mar Malagón Poyato. From 1999.
22 **Project**. Administration of Coenzime Q plus antithrombotics could sensitize glioblastoma cells to the effect of chemotherapeuticals. James McDonnel Foundation. Mario Duran Prado. DESDE 01/1/2013 HASTA 31/12/2013 IMPORTE: 50.000 €.

23 **Contract**. BUSQUEDA DE MARCADORES PROTEICOS ASOCIADOS A LA HIDROCEFALIA NORMOTENSIVA JUAN RAMON PEINADO MENA. 2019-01/01/2022. 11.000 €.

C.4. Activities of technology / knowledge transfer and results exploitation

Juan Ramón Peinado Mena. P202130265. Desarrollo de un array de proteínas para identificar el estadio de desarrollo de la Enfermedad de Alzheimer (EA) sobre muestras de líquido cefalorraquídeo Spain. 01/01/2022. Universidad de Castilla-La Mancha.

C.5. Stays in public or private R&D centres

1 DEPARTMENT OF ANATOMY AND NEUROBIOLOGY. MEDICAL SCHOOL. United States of America. BALTIMORE. 09/2019-02/2020. 6 months. Post-doctoral.
2 DEPARTMENT OF ANATOMY AND NEUROBIOLOGY. MEDICAL SCHOOL. BALTIMORE.. 07/2013-10/2013. 3 months. Post-doctoral.
3 DEPTO. DE BIOLOGÍA ESTRUCTURAL DEL CONSEJO SUPERIOR DE INVESTIGACIONES CIENTÍFICAS (IBMB-CSIC).. Spain. BARCELONA. 07/2004-01/2005. 7 months. Post-doctoral.
4 DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY. LOUISIANA HEALTH SCIENCE CENTER (LSUHSC). United States of America. NUEVA ORLEANS, LOUISIANA. 01/2003-08/2004. Post-doctoral.
5 DEPTO. DE NEUROENDOCRINOLOGÍA CELULAR Y MOLECULAR, INSERM U413. France. ROUEN, NORMANDIA. From 06/2002. Doctorate.
6 DEPTO. DE NEUROENDOCRINOLOGÍA CELULAR Y MOLECULAR, INSERM U413. France. ROUEN, NORMANDIA. From 05/2001. Doctorate.
7 DEPTO. DE FISIOLOGIA ANIMAL DE LA UNIVERSIDAD DE NIJMEGEN. Holland. NIJMEGEN. From 10/1996. O, ERASMUS DE INVESTIGACIÓN.

C.6. Supervision of doctoral theses and/or final degree projects

1 Method for the Diagnosis and Prognosis of Alzheimer's Disease (miRNAs and Proteins).. Universidad de Castilla-La Mancha. 15/02/2029.
2 Effect of oxidative stress modulation on proteostasis and the progression of Alzheimer's disease. Universidad de Castilla-La Mancha. 2023.
3 CARACTERIZACIÓNDE NUEVOS BIOMARCADORES DE LA ENFERMEDAD DE ALZHEIMERMEDIANTEMETA-ANÁLISISY ESTUDIOS MOLECULARES. UCLM. 14/10/2020.
4 Characterization of new Alzheimer's disease biomarkers through meta-analyses and molecular studies. Universidad de Castilla-La Mancha. 14/10/2020.
5 CARACTERIZACIÓN DE MJ1213 DE METHANOCOCCUS JANNASCHII, UNA METALOPROTEASA HIPERTERMÓFILA Y POTENCIALMENTE SIMILAR A BLAR1 DE STAPHYLOCOCCUS AUREUS. UCLM. 02/11/2010.