

Fecha del CVA	10/02/2026
----------------------	------------

Parte A. DATOS PERSONALES

Nombre *	Fátima Raquel		
Apellidos *	Milhano dos Santos		
Sexo *	No Contesta	Fecha de Nacimiento *	
DNI/NIE/Pasaporte *		Teléfono *	
URL Web	https://scholar.google.pt/citations?user=BIWOUEQAAAAJ&hl=pt-PT		
Dirección Email			
Identificador científico	Open Researcher and Contributor ID (ORCID) *	0000-0002-4041-1504	
	Researcher ID	Y-6726-2019	
	Scopus Author ID	56000641100	

* Obligatorio

A.1. Situación profesional actual

Puesto	Investigador posdoctoral (Contrato Sara Borrell)		
Fecha inicio	2024		
Organismo / Institución	Fundación Instituto de Investigación Sanitaria Fundación Jiménez Díaz		
Departamento / Centro			
País	España	Teléfono	
Palabras clave	240300 - Bioquímica		

A.2. Situación profesional anterior

Periodo	Puesto / Institución / País
2022 - 2023	Titulado Superior de Investigación (Proyecto PTI Salud Global SGL2103024) / Centro Nacional de Biotecnología / España
2022 - 2022	Titulado Superior de Investigación (Proyecto PTI Salud Global SGL2103024) / Centro Nacional de Biotecnología / España
2020 - 2021	Titulado Superior de Investigación (Proyecto PRB3 PT17/0019/001) / Centro Nacional de Biotecnología
2019 - 2020	Research Fellow (Project OLEAVALOR ALT20-03-0145-FEDER-000014) / Universidade de Évora / Portugal
2015 - 2019	FCT Doctoral Fellow (SFRH/BD/112526/2015) / Universidade da Beira Interior / Portugal
2015 - 2015	Research fellow (Project UBI-Novartis) / Universidade da Beira Interior / Portugal
2013 - 2015	Research fellow (CENTRO-07- ST24-FEDER-002014) (CENTRO-07- ST24-FEDER-002014) / Universidade da Beira Interior / Portugal
2013 - 2013	Research fellow (Project UBI-Novartis) / Universidade da Beira Interior / Portugal

A.3. Formación académica

Grado/Master/Tesis	Universidad / País	Año
Curso Avanzado de Vesículas Extracelulares (oxvB8tZdLcshhwTN)	Universidad Francisco de Vitoria / España	2025
Equivalencia a el Programa Oficial de Doctorado en Bioquímica, Biología	Universidad Autónoma de Madrid / España	2021

Grado/Master/Tesis	Universidad / País	Año
Molecular, Biomedicina y Biotecnología (Biociencias Moleculares)		
Doctor en Bioquímica	Universidade da Beira Interior / Portugal	2020
Máster en Bioquímica	Universidade da Beira Interior / Portugal	2012
Licenciada en Bioquímica	Universidade da Beira Interior / Portugal	2010

A.4. Indicadores generales de calidad de la producción científica

Fátima Milhano Santos specializes in **clinical proteomics**, with extensive expertise in the analysis of cellular models, tissues, and biological fluids across organisms for biomarker discovery and disease progression studies.

Her research experience was consolidated through participation in multiple funded projects with **multidisciplinary teams** in Portugal and Spain, leading to **30 scientific publications**, including two as corresponding author, one invited book chapter, and four conference papers. Her collaboration network spans mainly Portugal and Spain, with **107 researchers** from national and international institutes (**66.7% of international collaboration**). According to Scopus metrics, **77.8%** of her work has been published in **top-quartile journals** (CiteScore), while 55.6% ranks among the top 25% of most-cited publications globally. On 4th February 2026, she has accumulated 318 citations in SCOPUS (h-index: 10), 366 in Web of Science (h-index: 10), 481 in Google Scholar (h-index: 14), and 394 in ResearchGate (h-index: 11). Furthermore, she has more than 60 **oral or poster communications** at international and national conferences, with two communications recently **awarded** by S.E.N. (2023/2024). She has also received **competitive travel grants** to attend internationally renowned conferences, including the HUPO Congress in Dublin (Ireland) and the ISPPP Congress in Berlin (Germany).

Her commitment to **scientific dissemination** is shown by the fact that, since 2017, all her articles have been published in **Gold, Hybrid Gold, and Green** open-access formats. Furthermore, she has also been keen to make her proteomics data available on open-access platforms such as ProteomeXchange. She is also a regular peer reviewer for several editors, with 27 verified reviews (Publons) confirming her international recognition. She has been actively involved in **organizing scientific events**, including the II International Congress in Health Sciences Research, as a member of the Doctoral Students Committee (CAD-CICS-UBI; 2016- 2017). Beyond research, she has played a key role in **mentoring and training young researchers**, **supervising** degree and 3 master's theses (<https://ubibliorum.ubi.pt/>: 13047; 6981; 6104). She was a tutor at the Department of Medical Sciences at UBI from 2012 to 2020, lecturing practical classes at curricular units of Molecular and Cellular Biology, Biochemistry II, Protein Function and Structure and Biotechnology.

She played a key role in establishing the **proteomics laboratory at CICS-UBI**, implementing techniques such as 2DE electrophoresis and MALDI-TOF/TOF, but her expertise spans a **wide range of other methodologies** (iTRAQ/TMT, label-free quantitation, and MRM/PRM). At CNB-CSIC (Madrid), she consolidated her expertise by working with high-throughput mass spectrometers and developing **automated sample preparation** protocols (Opentrons and AccelerOme platform).

Parte B. RESUMEN LIBRE DEL CURRÍCULUM

Fátima Milhano Santos is a clinical proteomics researcher whose work advances the understanding of disease mechanisms and biomarker discovery through the analysis of cellular models, tissues, and biological fluids. Her research has consistently addressed age-related diseases, combining methodological innovation with translational relevance. She initially focused on vitreoretinal disorders using vitreous proteomics and currently leads

integrative multi-omics research on renal disease and associated cardiovascular complications as a Sara Borrell postdoctoral researcher. In collaborative studies, she has applied proteomic approaches across diverse clinical contexts, including COVID-19, prostate cancer (10.1007/s00253-021-11367-y; 10.1016/j.bbamcr.2023.119522), paratuberculosis (10.1021/acs.jproteome.3c00244), and liver diseases (10.1002/biof.2041).

During her PhD in Biochemistry at the Universidade da Beira Interior (FCT; SFRH/BD/112526/2015), she made substantive contributions to the field of vitreoretinal disease research by demonstrating that the human vitreous proteome reflects disease-specific pathological mechanisms. By applying and refining quantitative proteomics approaches, including an **ANN-refined two-dimensional gel electrophoresis** (10.1007/s00216-019-01887-y), **iTRAQ** (10.3390/ijms19041157), and **label-free proteomics** (10.3389/fimmu.2023.1107295), she identified distinct molecular signatures across rhegmatogenous retinal detachment, diabetic retinopathy, and age-related macular degeneration. This work led to the validation of a 15 **discriminatory** protein biomarker panel capable of discriminating between vitreoretinal diseases in patient cohorts (10.3389/fimmu.2023.1107295). Collectively, these studies repositioned vitreous fluid as an active site of the interplay between **inflammation, fibrosis, oxidative stress, neurodegeneration, and extracellular matrix remodeling**, offering insights into disease mechanisms and therapeutic targets (10.7759/cureus.54862;10.3390/antiox11030505,10.1007/s00018-022-04670-y). In parallel, she contributed to the development of an innovative antiangiogenic therapeutic strategy based on a G-quadruplex aptamer, identifying compound C8 as a promising angiogenesis inhibitor (10.3390/ph16050751; BInov Award, COMBINE project).

At CNB-CSIC (2020-2023), she played a key role in COVID-19 proteomics research within the PTI “Global Health” platform. Her work translated molecular profiling into clinically actionable knowledge by identifying protein signatures associated with SARS-CoV-2 susceptibility and disease severity using saliva and serum samples (10.1186/s12014-024-09482-9; 10.1021/acs.jproteome.4c00566). Integrated proteomic and phosphoproteomic analyses showed that SARS-CoV-2 actively rewires host cell biology through early phosphorylation-driven regulation to support a successful infection cycle. Based on these results, the measurement of 14 circulating biomarkers in the serum of COVID-19 patients enabled stratification by disease severity and led to the identification of two novel phosphorylation sites in the viral nucleoprotein (10.1021/acs.jproteome.4c00566). In collaboration with CIB-CSIC researchers, the involvement of accessory proteins in inflammatory and profibrotic processes in COVID-19 was also studied in the same cell model, finding that it can be mediated through **IL-11 signaling** (10.3389/fimmu.2023.1220306).

She is currently a **Sara Borrell postdoctoral researcher** (CD23/00049) at IIS–Fundación Jiménez Díaz (Spain). Her research focuses on the identification of biomarkers and therapeutic targets in renal diseases and associated cardiovascular complications, with particular emphasis on metabolic reprogramming and cellular senescence, using integrative approaches combining proteomics, transcriptomics (mRNA/miRNA), lipidomics, and metabolomics. Using **untargeted kidney lipidomics** in a murine ischemia–reperfusion injury model, she showed that early lipid remodeling is a key driver of acute kidney injury, identifying lipid signatures linked to tubular damage and renal protection and connecting these changes to early transcriptional reprogramming of lipid metabolic pathways, highlighting lipid metabolism as a source of clinically relevant biomarkers (10.64898/2026.01.26.701694). In parallel, she has characterized a replicative **endothelial senescence model** using a comprehensive multi-omics approach in endothelial cells and their extracellular vesicles. Her findings demonstrate that senescent extracellular vesicles actively propagate secondary senescence and endothelial dysfunction, providing mechanistic insight into vascular aging and cardiovascular disease progression (10.1101/2025.11.25.690417). By integrating her expertise in proteomics with complementary multi-omics approaches, she uncovers unexplored molecular layers linking senescence, metabolic reprogramming, and kidney disease.

Parte C. MÉRITOS MÁS RELEVANTES

C.1. Publicaciones

AC: Autor de correspondencia; (nº x / nº y): posición firma solicitante / total autores. Si aplica, indique el número de citaciones

- 1 **Artículo científico.** Lucia; Laura; Alicia; et al; Marta; (8/18) Fátima Milhano Santos. 2025. CCN2 Activates Cellular Senescence Leading to Kidney Fibrosis in Folic Acid-Induced Experimental Nephropathy. *International journal of molecular sciences*. MDPI. 26-9. WOS (1)
- 2 **Artículo científico.** Rita; Lénia; (3/7) Fátima Milhano Santos; Iola F. Duarte; Sergio; Augusto; Hélia. 2025. Establishment of a Protocol for the Characterization of Secreted Biomolecules in Somatic Embryogenic Cultures of *Olea europaea* L. *Horticulturae*. MDPI. WOS (1), SCOPUS (1) <https://doi.org/10.3390/horticulturae11030331>
- 3 **Artículo científico.** Marco A Luís; Marcelo AD Goes; (3/6) Fátima Milhano Santos; Joana; Paulo; Cândida Teixeira T Tomaz. 2025. Plasmid Gene Therapy for Monogenic Disorders: Challenges and Perspectives. *Pharmaceutics*. MDPI. 17-104, pp.1-28. WOS (3), SCOPUS (3) <https://doi.org/10.3390/pharmaceutics17010104>
- 4 **Artículo científico.** (1/8) Fátima Milhano Santos; Jorge; Sergio; Victoria; Irene; Urtzi; Pablo; Fernando. 2025. Dynamic Cellular Proteome Remodeling during SARS-CoV-2 Infection. Identification of Plasma Protein Readouts. *Journal of Proteome Research*. ACS Publications. 24-1, pp.171-188. WOS (2), SCOPUS (2) <https://doi.org/10.1021/acs.jproteome.4c00566>
- 5 **Artículo científico.** Figuer, Andrea; (2/11) Santos, Fátima M.; Ciordia, Sergio; et al; Alique, Matilde. 2024. Proteomic analysis of endothelial cells and extracellular vesicles in response to indoxyl sulfate: Mechanisms of endothelial dysfunction in chronic kidney disease. *Life Sciences*. Life Sciences. 351-122810, pp.1-18. ISSN 18790631. WOS (3), SCOPUS (3) <https://doi.org/10.1016/j.lfs.2024.122810>
- 6 **Artículo científico.** Sergio Ciordia (co-first); (2/8) Fátima Milhano Santos (co-first); João M.L. Dias; José Ramón Lamas; Alberto Paradela; Gloria Alvarez-Sola; Matías A. Ávila; Fernando Corrales. 2024. Refinement of paramagnetic bead-based digestion protocol for automatic sample preparation using an artificial neural network. *Talanta*. 274-125988, pp.1-13. ISSN 00399140. WOS (8), SCOPUS (8) <https://doi.org/10.1016/j.talanta.2024.125988>
- 7 **Artículo científico.** Moreno, Elena; Ciordia, Sergio; (3/14) Fátima, Santos Milhano; et al; Serrano-Villar, Sergio. 2024. Proteomic snapshot of saliva samples predicts new pathways implicated in SARS-CoV-2 pathogenesis. *Clinical Proteomics*. BioMed Central. 21-1, pp.1-17. ISSN 15590275, ISBN 1201402409. WOS (7), SCOPUS (7) <https://doi.org/10.1186/s12014-024-09482-9>
- 8 **Artículo científico.** João Ribeiro; Marco A Luís; Bruno Rodrigues; (4/7) Fátima Milhano Santos; Joana Mesquita; Renato Boto; Cândida Teixeira Tomaz. 2024. Cryogels and Monoliths: Promising Tools for Chromatographic Purification of Nucleic Acids. *Gels*. 10-198, pp.2-27. ISSN 23102861. WOS (10), SCOPUS (10) <https://doi.org/10.3390/gels10030198>
- 9 **Artículo científico.** Joana; (2/8) Fátima Milhano Santos; João Paulo Castro-Sousa; Sara; Paulo; Arminda; Rita; Cândida Teixeira Tomaz. 2024. Serum and Vitreous Levels of Placenta Growth Factor in Diabetic Retinopathy Patients: Correlation With Disease Severity and Optical Coherence Tomographic Parameters. *Cureus*. 16-2, pp.1-15. WOS (2) <https://doi.org/10.7759/cureus.54862>
- 10 **Artículo científico.** Laura; Lorena; (3/9) Fatima Milhano Santos; et al; Fernando J Corrales. 2024. Molecular basis of progressive familial intrahepatic cholestasis 3. A proteomics study. *BioFactors*. ISSN 0951-6433. WOS (5), SCOPUS (5) <https://doi.org/10.1002/biof.2041>

- 11 Artículo científico.** Alejandra Isabel Navarro; Marta; Natalia; et al; Rosa; (6/10) Fátima Milhano Santos. 2023. Proteomic Serum Profiling of Holstein Friesian Cows with Different Pathological Forms of Bovine Paratuberculosis Reveals Changes in the Acute-Phase Response and Lipid Metabolism. *Journal of Proteome Research*. American Chemical Society. ISSN 1535-3893. WOS (3), SCOPUS (3) <https://doi.org/10.1021/acs.jproteome.3c00244>
- 12 Artículo científico.** Sandra Moreira Rocha; (2/5) Fátima Milhano Santos; Sílvia; Luís António Passarinha; Cláudio Jorge Maia. 2023. Proteomic analysis of STEAP1 knockdown in human LNCaP prostate cancer cells. *Biochimica et Biophysica Acta - Molecular Cell Research*. Elsevier. 1870-7, pp.1-12. WOS (6), SCOPUS (6) <https://doi.org/10.1016/j.bbamcr.2023.119522>
- 13 Artículo científico.** Blanca Dies López-Ayllón; Ana de; Laura; et al; María; (7/14) Fátima Milhano Santos. 2023. SARS-CoV-2 accessory proteins involvement in inflammatory and profibrotic processes through IL11 signaling. *Frontiers in Immunology*. Frontiers. 14, pp.1-15. WOS (12), SCOPUS (13) <https://doi.org/10.3389/fimmu.2023.1220306>
- 14 Artículo científico.** David; Jéssica Lopes Nunes; (3/8) Fátima Milhano Santos; Maria Paula Cabral Campello; Maria Cristina; António; Cândida Teixeira Tomaz; Carla. 2023. Assessment of aptamer as a potential drug targeted delivery for retinal angiogenesis inhibition. *Pharmaceuticals*. MDPI. 16-5, pp.1-19. WOS (6), SCOPUS (6) <https://doi.org/10.3390/ph16050751>
- 15 Artículo científico.** (1/8) Fátima Milhano Santos; Sergio; Joana; Carla; João Paulo Castro-de-Sousa; Luís António Passarinha; Cândida Teixeira Tomaz; Alberto. 2023. Proteomics profiling of vitreous humor reveals complement and coagulation components, adhesion factors, and neurodegeneration markers as discriminatory biomarkers of vitreoretinal eye diseases. *Frontiers in Immunology*. Frontiers. 14, pp.1-19. WOS (31), SCOPUS (35) <https://doi.org/10.3389/fimmu.2023.1107295>
- 16 Artículo científico.** (1/7) Fátima Milhano Santos (AC); Sergio; Joana; João Paulo; Alberto; Cândida Teixeira Tomaz; Luís António Passarinha. 2022. Vitreous humor proteome: unraveling the molecular mechanisms underlying proliferative and neovascular vitreoretinal diseases. *Cellular and Molecular Life Sciences*. Springer. 80-1, pp.1-28. ISSN 1420-682X. WOS (20), SCOPUS (24) <https://doi.org/10.1007/s00018-022-04670-y>
- 17 Artículo científico.** Lénia; Amaia; Lee D.; (4/6) Fátima; Ana Elisa; Hélia. 2022. Exploring the Applicability of Calorespirometry to Assess Seed Metabolic Stability Upon Temperature Stress Conditions-*Pisum sativum* L. Used as a Case Study. *Frontiers in Plant Science*. Frontiers. 13-827117. ISSN 1664-462X. WOS (5), SCOPUS (6) <https://doi.org/10.3389/fpls.2022.827117>
- 18 Artículo científico.** (1/6) Fátima Milhano Santos (AC); Joana; João Paulo; Sergio; Alberto; Cândida Teixeira Tomaz. 2022. Vitreous Humor Proteome: Targeting Oxidative Stress, Inflammation, and Neurodegeneration in Vitreoretinal Diseases. *Antioxidants*. MDPI. 11-505, pp.1-37. WOS (20), SCOPUS (22) <https://doi.org/10.3390/antiox11030505>
- 19 Artículo científico.** Diana R Duarte; Jorge; Ana Margarida Goncalves; (4/8) Fátima Milhano Santos; Sandra Moreira Rocha; Augusto Pedro Quaresma; Claudio Jorge Maia; Luís António Passarinha. 2021. Impact of glycerol feeding profiles on STEAP1 biosynthesis by *Komagataella pastoris* using a methanol-inducible promoter. *Applied microbiology and biotechnology*. Springer. 105, pp.4635-4648. ISSN 0175-7598. SCOPUS (7) <https://doi.org/10.1007/s00253-021-11367-y>
- 20 Preprint.** (1/10) Fátima Milhano Santos; Paula; Vanessa; et al; Marta. 2026. Early Lipid Remodeling During Ischemia-Reperfusion Injury Is Associated with Damage- and Protection-Related Lipid Signatures in Acute Kidney Injury. *bioRxiv*. <https://doi.org/10.64898/2026.01.26.701694>
- 21 Preprint.** (1/12) Fátima Milhano Santos (AC); Rafael; Sergio; et al; Matilde. 2025. Multi-omics integrative approach of senescent endothelial cells and derived extracellular vesicles in a replicative senescence model. *bioRxiv*. <https://doi.org/10.1101/2025.11.25.690417>

- 22 Artículo de Conferencia.** Marta; Paula; Lucia; Raúl R.; Vanessa; Elena Flores; Coral; (8/8) Fátima. 2025. CCN2 Deficiency Boosts Glycolytic Metabolic Reprogramming in the Kidneys Following Ischemia-Reperfusion Injury. Journal of the American Society of Nephrology. 36-10s. <https://doi.org/10.1681/ASN.20256wje4e1c>
- 23 Artículo de Conferencia.** Vanessa; Lucia; Antonio; et al; Marta; (6/13) Fátima. 2025. STING-Mediated Cytosolic DNA Sensing as a Novel Mechanism of Peritoneal Damage: Evidence from Transcriptomic and Functional Studies. Journal of the American Society of Nephrology. 36-10s. <https://doi.org/10.1681/ASN.2025qmgz0h0w>

C.2. Congresos

- 1 Antonio; Lucia; Vanessa; Sandra; Fátima M Santos; Marta. Investigating the Gender Differences in Acute Kidney Injury susceptibility and the Senolytic Potential of Dasatinib and Quercetin in mice.. III Congreso de Jóvenes investigadores en fisiología.. Universidad Autónoma de Madrid. 2024. España. Participativo - Póster. Congreso.
- 2 Antonio; Lucia; Vanessa; et al; Marta. CCN2 activates cellular senescence leading to kidney fibrosis in folic acid-induced experimental nephropathy.. CIVIS EVENT: Strengthening the Biomedical Research Community: Science Bridging Boundaries. Universidad Autónoma de Madrid. 2024. España. Participativo - Póster. Congreso.
- 3 Lucia; Rebecca; Juan; et al; Marta. Abordaje proteómico del efecto de la IL-17A en la la activación de la senescencia en células tubulares epiteliales.. 54 CONGRESO NACIONAL DE LA S.E.N. - XI CONGRESO IBEROAMERICANO DE NEFROLOGÍA E HIPERTENSIÓN. Sociedad Española de Nefrología. 2024. España. Participativo - Póster. Congreso.
- 4 Fátima M Santos; Andrea; Sergio; Juan Pablo Hernández-Fonseca; Beatriz Martín-Jouve; Marta; Matilde. Estudio proteómico de células y vesículas extracelulares endoteliales en un modelo de senescencia replicativa – implicaciones en el daño cardiovascular en los enfermos renales crónicos (premiado por S.E.N.). 54 CONGRESO NACIONAL DE LA S.E.N. - XI CONGRESO IBEROAMERICANO DE NEFROLOGÍA E HIPERTENSIÓN. Sociedad Española de Nefrología. 2024. España. Participativo - Póster. Congreso.
- 5 Andrea; Fátima M Santos; Sergio; et al; Matilde. Endothelial extracellular vesicles in vascular dysfunction associated with chronic kidney disease. Annual Meeting of ASEV and CzeSEV 2024. Austrian Society for Extracellular Vesicles. 2024. Austria. Participativo - Póster. Congreso.
- 6 Fátima M Santos; Andrea; Sergio; Juan Pablo Hernández-Fonseca; Beatriz Martín-Jouve; Marta; Matilde. Estudio proteómico de las vesículas extracelulares procedentes de células endoteliales senescentes.. 64 Congreso de la Sociedad Española de Geriatria y Gerontología. Sociedad Española de Geriatria y Gerontología. 2024. España. Participativo - Póster. Congreso.
- 7 Andrea; Fátima M Santos; Beatriz; et al; Matilde. Daño endotelial provocado por indoxil sulfato y participación de las vesículas extracelulares. XIX REUNIÓN DE LA SOCIEDAD MADRILEÑA DE NEFROLOGÍA. Sociedad Madrileña de Nefrología. 2024. España. Participativo - Póster. Congreso.
- 8 Andrea; Fátima M Santos; Sergio; Gemma; Guillermo; Rafael; Julia; Matilde. La disfunción endotelial inducida por toxinas urémicas y participación de las vesículas extracelulares derivadas del endotelio.. IX Congreso de Señalización Celular SECUAH 2024. Universidad de Alcalá. 2024. España. Participativo - Ponencia oral (comunicación oral). Congreso.
- 9 Fátima M Santos; Sergio; Jorge; Urtizi; Pablo; Fernando. A549-ACE2 cells Proteome and Phosphoproteome dynamics during SARS-CoV-2 infection. Molecular insights and biomarker identification. III Jornadas Científicas PTI+ Salud Global. CENTRO DE CIENCIAS HUMANAS Y SOCIALES. 2023. España. Participativo - Póster. Congreso.
- 10 Andrea; Fátima M Santos; Gemma; et al; Matilde. El proteoma de células endoteliales tratadas con indoxil sulfato y de sus vesículas extracelulares revela mediadores de la enfermedad cardiovascular asociada a la enfermedad renal (premiado por S.E.N.). 53 Congreso de la Sociedad Española de Nefrología. Sociedad Española de Nefrología. 2023. España. Participativo - Ponencia oral (comunicación oral). Congreso.

- 11 Andrea; Fátima M Santos; Gemma; et al; Matilde. Nuevos mediadores en la disfunción endotelial asociada a enfermedad renal: análisis proteómico de células endoteliales y sus vesículas extracelulares tras el tratamiento con indoxil sulfato. II Congreso de Jóvenes Investigadores en Fisiología. Universidad Complutense de Madrid. 2023. España. Congreso.
- 12 Andrea; Fátima M Santos; Gemma; Rafael; Julia; Matilde. Vesículas extracelulares y su rol en la comunicación celular: Una perspectiva proteómica en la Enfermedad Renal Crónica y su vinculación con Enfermedades Cardiovasculares. 28º Reunión SEHLELHA. Sociedad Española de Hipertensión - Liga Española para la lucha contra la hipertensión arterial. 2023.
- 13 Fátima M Santos; Sergio; Jorge; Urtzi; Pablo; Fernando. Time-based quantitative proteomic and phosphoproteomics analysis of A549-ACE2 cells during SARS-CoV-2 infection.. VII Meeting for young proteomics researchers. FUNDACION CENTRO NACIONAL DE INVESTIGACIONES CARDIOVASCULARES CARLOS III. 2023. España. Participativo - Póster. Congreso.
- 14 Fátima M Santos; Sergio; Urtzi; Pablo; Fernando. Time-based quantitative proteomic and phosphoproteomic analysis of A549-ACE2 cells during SARS-CoV-2 infection.. II Jornadas Científicas PTI + Salud Global. PTI + Salud Global. 2022. España. Participativo - Ponencia oral (comunicación oral). Jornada.

C.3. Proyectos y Contratos

- 1 **Proyecto**. Enfermedad renal crónica y senescencia celular: buscando la conexión para entender el daño renal y envejecimiento (PI23/00394). Instituto de Salud Carlos III. Marta Ruiz Ortega. (Fundación Instituto de Investigación Sanitaria Fundación Jiménez Díaz). 08/08/2024-31/12/2027. 277.500 €. Miembro de equipo.
- 2 **Proyecto**. CombinatiOn aptaMer-drug Based therapeutics for ocular neovascular disease: wheN two are bettEr than one. Southern Regional Section and Autonomous Regions (SRSRA) of the Portuguese Order of Pharmacists. Cândida Teixeira Tomaz. (CICS-UBI). 2021-2022. 3.500 €. Miembro de equipo.
- 3 **Proyecto**. CombinatiOn aptaMer-drug Based therapeutics for ocular neovascular disease: wheN two are bettEr than one. Health Sciences Research Centre (CICS-UBI). Cândida Teixeira Tomaz. (CICS-UBI). 2021-2022. 5.000 €. Miembro de equipo.
- 4 **Proyecto**. Ricors 2040: Inflammation and immunopathology of organs and systems (RD24/0004/0021). Instituto de Salud Carlos III. Marta Ruiz Ortega. (Fundación Instituto de Investigación Sanitaria Fundación Jiménez Díaz). Desde 01/01/2025. Miembro de equipo.
- 5 **Proyecto**. RICORS: Inflamación e inmunopatología de órganos y sistemas (RD21/0005/0002). Instituto de Salud Carlos III. Marta Ruiz Ortega. (Fundación Instituto de Investigación Sanitaria Fundación Jiménez Díaz). Desde 01/08/2024. 105.765 €. Miembro de equipo.

C.5. Estancias en centros de I+D+i públicos o privados

- 1 Centro Nacional de Biotecnología. Proteomics facility. España. Madrid. 29/01/2019-26/04/2019. 2 meses - 28 días. Predoctoral.
- 2 Centro Nacional de Biotecnología. Proteomics facility. España. Madrid. 06/05/2014-24/05/2014. 18 días. Predoctoral.

C.6. Dirección de tesis doctorales y/o trabajos de fin de estudios

- 1 **Disertacion de final de máster**: Development of aptamer nanoparticles for treatment of retinal diseases. Universidade de Beira Interior. 11/01/2023. 20.
- 2 **Disertacion de final de máster**: Omics approaches to assess the effect of agro-food nutritive extracts for pcDNA-FLAG-p53 biosynthesis. Universidade de Beira Interior. 01/11/2016. 19.
- 3 **Disertacion de final de máster**: Proteomic analysis of the human vitreous humor in Retinal Detachment. Universidade de Beira Interior. 12/11/2015. 19.
- 4 **Proyecto Final de Carrera**: Análise Proteómica de amostras de urina para o estudo de biomarcadores em cancro de células renais. Universidade de Beira Interior. 12/06/2015.

