Fecha del CVA	05/10/2022

Parte A. DATOS PERSONALES

Nombre	Eduardo		
Apellidos	Andres Leon		
Sexo	No Contesta	Fecha de Nacimiento	
DNI/NIE/Pasaporte			
URL Web			
Dirección Email			
Open Researcher and Contributor ID (ORCID)	0000-0002-0621-9914		

A.1. Situación profesional actual

Puesto	Postdoctoral position		
Fecha inicio	2021		
Organismo / Institución	The Spanish National Research Council (CSIC)		
Departamento / Centro			
País		Teléfono	
Palabras clave	Bioinformática		

A.2. Situación profesional anterior (incluye interrupciones en la carrera investigadora - indicar meses totales, según texto convocatoria-)

Periodo	Puesto / Institución / País
2015 - 2021	High degree on professional, scientific and technical activities / The Spanish National Research Council (CSIC)
2013 - 2015	High degree on professional, scientific and technical activities / Institute of Biomedicine of Seville (IBIS)
2006 - 2013	High degree on professional, scientific and technical activities / The Spanish National Cancer Research Centre (CNIO)

A.3. Formación académica

Grado/Master/Tesis	Universidad / País	Año
Phd from the official Doctoral Program in Biochemistry, Molecular Biology, Biomedicine and Biotechnology (Molecular Biosciences)	Universidad Autónoma de Madrid (UAM)	2017
Certificate of research proficiency from the official Doctoral Program in Molecular Biology	Universidad Autónoma de Madrid (UAM)	2004
Bachelor of Biological Science	Universidad Autónoma de Madrid (UAM)	2001

Parte B. RESUMEN DEL CV

Parte C. LISTADO DE APORTACIONES MÁS RELEVANTES

C.1. Publicaciones más importantes en libros y revistas con “peer review” y conferencias

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

1 **Artículo científico**. Alonso, Rodrigo; Eduardo Andrés-León. 2014. Lipoprotein(a) Levels in Familial Hypercholesterolemia An Important Predictor of Cardiovascular Disease Independent of the Type of LDL Receptor Mutation Journal Of The American College Of Cardiology. 63. ISSN 0735-1097. SCOPUS (163)

2 **Artículo científico**. Elkyn Estupiñán Moreno; Lourdes Ortiz Fernández; Tianlu Li; et al;. 2022. Methylome and transcriptome profiling of giant cell arteritis monocytes reveals novel pathways involved in disease pathogenesis and molecular response to glucocorticoids Annals of the Rheumatic Diseases. BMJ Publishing Group. 81-9, pp.1290-1300.

3 **Artículo científico**. Maria Tiana; Elena Lopez Jimenez; Julio Sainz de Aja; et al;. 2022. Pluripotency factors regulate the onset of Hox cluster activation in the early embryo Science Advances. American Association for the Advancement of Science. 8-28.

4 **Artículo científico**. Raquel Garcia Hernandez; Ana Perea Martinez; Jose Ignacio Manzano; Laura Carmen Terron Camero; Eduardo Andres Leon; Francisco Gamarro. 2022. Transcriptome Analysis of Intracellular Amastigotes of Clinical Leishmania infantum Lines from Therapeutic Failure Patients after Infection of Human Macrophages Microorganisms. MDPI. 10-7.

5 **Artículo científico**. Francisco R Marin; Alberto Dávalos; Dylan kiltschwskij; Maria C Cresco; Murray Cairns; Eduardo Andres Leon; Cristina Soler Rivas. 2022. RNA-Seq, Bioinformatic Identification of Potential MicroRNA-Like Small RNAs in the Edible Mushroom Agaricus bisporus and Experimental Approach for Their Validation International Journal of Molecular Sciences. MDPI. 23-9.

6 **Artículo científico**. Jose Ignacio Manzano; Ana Perea Martinez; Raquel Garcia Hernandez; Eduardo Andres Leon; Laura Carmen Terron Camero; Jose Antonio Poveda; Gamarro Francisco. 2022. Modulation of Cholesterol Pathways in Human Macrophages Infected by Clinical Isolates of Leishmania infantum Frontiers in Cellular and Infection Microbiology. Frontiers Media S.A.. 12.

7 **Artículo científico**. 2022. Single-cell Atlas of common variable immunodeficiency shows germinal center-associated epigenetic dysregulation in B-cell responses Nature Communications. Nature.

8 **Artículo científico**. 2022. Selective histone methyltransferase G9a inhibition reduces metastatic development of Ewing sarcoma through the epigenetic regulation of NEU1 Oncogene. Nature.

9 **Artículo científico**. 2022. Epigenetic changes in the metabolically healthy obese: A case-control versus a prospective study European Journal of Clinical Investigation. Wiley Online Library.

10 **Artículo científico**. 2022. Identification of Group II Intron RmInt1 Binding Sites in a Bacterial Genome Frontiers in Molecular Biosciences. Frontiers.

11 **Artículo científico**. 2022. Differently Regulated Gene-Specific Activity of Enhancers Located at the Boundary of Subtopologically Associated Domains: TCRα Enhancer The Journal of Immunology. American Association of Immunologists.

12 **Artículo científico**. 2022. Identification of the genetic mechanism that associates L3MBTL3 to multiple sclerosis Human Molecular Genetics. Oxford Academic.

13 **Artículo científico**. 2021. GWAS loci associated with Chagas cardiomyopathy influences DNA methylation levels PLoS neglected tropical diseases. Plos.

14 **Artículo científico**. 2021. CD38 deficiency ameliorates chronic graft versus host disease murine lupus via a B-cell dependent mechanism Frontiers in Immunology. Frontiers.

15 **Artículo científico**. 2021. Cortistatin regulates fibrosis and myofibroblast activation in experimental hepatotoxic-and cholestatic-induced liver injury British Journal of Pharmacology.

16 **Artículo científico**. 2021. Selective inhibition of HDAC6 regulates expression of the oncogenic driver EWSR1-FLI1 through the EWSR1 promoter in Ewing sarcoma Oncogene. Nature.

17 **Artículo científico**. 2021. Identification of MicroRNAs as Viable Aggressiveness Biomarkers for Prostate Cancer Biomedicines. MDPI.

18 **Artículo científico**. 2021. Evidence for a role of phenotypic mutations in virus adaptation iScience.

19 **Artículo científico**. Alberto Sola-Leyva; Eduardo Andrés-León; Nerea Molina; et al;. 2021. Mapping the entire functionally active endometrial microbiota Human Reproduction. Oxford.

20 **Artículo científico**. Mónica Fernández-Cortés; Eduardo Andrés-León; Francisco Javier Oliver. 2020. The PARP Inhibitor Olaparib Modulates the Transcriptional Regulatory Networks of Long Non-Coding RNAs during Vasculogenic Mimicry Cells. MDPI. 9-12, pp.2690.

21 **Artículo científico**. Tian Li; Eduardo Andrés-León; Lourdes Ortiz-Fernández; et al;. 2020. Epigenomics and transcriptomics of systemic sclerosis CD4+ T cells reveal long-range dysregulation of key inflammatory pathways mediated by disease-associated susceptibility loci Genome medicine. BMC. 12-81.

22 **Artículo científico**. 2020. An inducible ectopic expression system of EWSR1-FLI1 as a tool for understanding Ewing sarcoma oncogenesis Plos ONE. Plos. 15-6.

23 **Artículo científico**. Andreu Saura; Paula A Iribarren; Domingo Rojas-Barros; et al;. 2019. SUMOylated SNF2PH promotes variant surface glycoprotein expression in bloodstream trypanosomes.EMBO reports.

24 **Artículo científico**. 2019. A parasite biomarker set for evaluating benznidazole treatment efficacy in patients with chronic asymptomatic Trypanosoma cruzi infection.Antimicrobial agents and chemotherapy.

25 **Artículo científico**. 2019. Detection of novel fusion-transcripts by RNA-Seq in T-cell lymphoblastic lymphoma.Scientific Reports. Nature. SCOPUS (2)

26 **Artículo científico**. Andres-Leon, Eduardo; Rojas, Ana M.2019. miARma-Seq, a comprehensive pipeline for the simultaneous study and integration of miRNA and mRNA expression data Methods. 152. ISSN 1046-2023. SCOPUS (4) https://doi.org/10.1016/j.ymeth.2018.09.002

27 **Artículo científico**. García-Rodríguez S; Rosal-Vela A; Botta D; et al; Sancho J. 2018. CD38 promotes pristane-induced chronic inflammation and increases susceptibility to experimental lupus by an apoptosis-driven and TRPM2-dependent mechanism.Scientific reports. 8, pp.3357. SCOPUS (3) https://doi.org/10.1038/s41598-018-21337-6

28 **Artículo científico**. de Araujo Farias V; O'Valle F; Serrano-Saenz S; et al; de Almodóvar JMR. 2018. Exosomes derived from mesenchymal stem cells enhance radiotherapy-induced cell death in tumor and metastatic tumor foci.Molecular cancer. 17, pp.122. SCOPUS (15) https://doi.org/10.1186/s12943-018-0867-0

29 **Artículo científico**. Molina-Pinelo S; Salinas A; Moreno-Mata N; et al; Paz-Ares L. 2018. Impact of DLK1-DIO3 imprinted cluster hypomethylation in smoker patients with lung cancer.Oncotarget. 9, pp.4395-4410. SCOPUS (8) https://doi.org/10.18632/oncotarget.10611

30 **Artículo científico**. Lynch CJ; Bernad R; Calvo I; et al; Serrano M. 2018. The RNA Polymerase II Factor RPAP1 Is Critical for Mediator-Driven Transcription and Cell Identity.Cell reports. 22, pp.396-410. SCOPUS (5) https://doi.org/10.1016/j.celrep.2017.12.062

31 **Artículo científico**. Andrés-León E; Cases I; Alonso S; Rojas AM. 2017. Novel miRNA-mRNA interactions conserved in essential cancer pathways.Scientific reports. Nature. 7, pp.46101. SCOPUS (20) https://doi.org/10.1038/srep46101

32 **Artículo científico**. Andrés-León E; Cases I; Arcas A; Rojas AM. 2016. DDRprot: a database of DNA damage response-related proteins.Database : the journal of biological databases and curation. 2016. SCOPUS (5) https://doi.org/10.1093/database/baw123

33 **Artículo científico**. Matamala N; Vargas MT; González-Cámpora R; et al; Benítez J. 2016. MicroRNA deregulation in triple negative breast cancer reveals a role of miR-498 in regulating BRCA1 expression.Oncotarget. 7, pp.20068-79. SCOPUS (29) https://doi.org/10.18632/oncotarget.7705

34 **Artículo científico**. García-Martínez J; Delgado-Ramos L; Ayala G; et al; Pérez-Ortín JE. 2016. The cellular growth rate controls overall mRNA turnover, and modulates either transcription or degradation rates of particular gene regulons.Nucleic acids research. 44, pp.3643-58. ISSN 0305-1048. SCOPUS (19) https://doi.org/10.1093/nar/gkv1512

35 **Artículo científico**. Andrés-León E; Núñez-Torres R; Rojas AM. 2016. miARma-Seq: a comprehensive tool for miRNA, mRNA and circRNA analysis.Scientific reports. Nature. 6, pp.25749. SCOPUS (35) https://doi.org/10.1038/srep25749

36 **Artículo científico**. Matamala N; Vargas MT; González-Cámpora R; et al; Benítez J. 2015. Tumor microRNA expression profiling identifies circulating microRNAs for early breast cancer detection.Clinical chemistry. 61, pp.1098-106. ISSN 0009-9147. SCOPUS (105) https://doi.org/10.1373/clinchem.2015.238691

37 **Artículo científico**. Andrés-León E; González Peña D; Gómez-López G; Pisano DG. 2015. miRGate: a curated database of human, mouse and rat miRNA-mRNA targets.Database : the journal of biological databases and curation. 2015, pp.bav035. SCOPUS (39) https://doi.org/10.1093/database/bav035

38 **Artículo científico**. Frenkel-Morgenstern M; Gorohovski A; Lacroix V; et al; Valencia A. 2012. ChiTaRS: a database of human, mouse and fruit fly chimeric transcripts and RNA-sequencing data.Nucleic acids research. 41, pp.D142-51. ISSN 0305-1048. SCOPUS (30) https://doi.org/10.1093/nar/gks1041

39 **Artículo científico**. Andres Leon E; Ezkurdia I; García B; Valencia A; Juan D. 2008. EcID. A database for the inference of functional interactions in E. coli.Nucleic acids research. 37, pp.D629-35. ISSN 0305-1048. SCOPUS (24) https://doi.org/10.1093/nar/gkn853

40 **Artículo científico**. Blaschke, C; Leon, EA; Krallinger, M; Valencia, A. 2005. Evaluation of BioCreAtIvE assessment of task 2 BMC Boinformatics. 6. ISSN 1471-2105. SCOPUS (105) https://doi.org/10.1186/1471-2105-6-S1-S16

41 **Artículo científico**. Hoffmann R.; Krallinger M.; Andres E.; Tamames J.; Blaschke C.; Valencia A.2005. Text mining for metabolic pathways, signaling cascades, and protein networks.Science's STKE : signal transduction knowledge environment. Science. 2005. SCOPUS (74)

42 **Reseña**. Elena López-Jimenez; Eduardo Andrés-León. 2021. The implications of ncRNAs in the development of human diseases ncRNA. MDPI.

43 **Reseña**. Lopez-Jimenez, Elena; Rojas, Ana M.; Andres-Leon, Eduardo. 2018. RNA sequencing and Prediction Tools for Circular RNAs Analysis Circular RNAs: biogenesis and functions. 1087. ISSN 0065-2598, ISBN 978-981-13-1425-4. SCOPUS (7) https://doi.org/10.1007/978-981-13-1426-1_2

C.3. Proyectos o líneas de investigación

1 **Proyecto**. Application of genomics in the treatment of prostate cancer, a new step in precision medicine. Consejería de Salud de la Junta de Andalucía. Maria Jesus Alvarez Cubero. (Universidad de Granada). 01/01/2020-31/12/2024.

2 **Proyecto**. Preclinical study of epigenetic and metabolic markers fundamental to tumor progression and metastasis development in Ewing's sarcoma. Consejería de Salud de la Junta de Andalucía. Lourdes Hontecillas Prieto. (Institute of Biomedicine of Seville (IBIS)). 01/01/2019-31/12/2021. 60.000 €.

3 **Proyecto**. Search for biomarkers and development of a molecular test of uterine receptivity. Ministerio de Economía, Industria y competitividad. Signe Altmae. (Universidad de Granada). 01/01/2019-31/12/2021. 228.206 €.

4 **Proyecto**. Assessment of CD8+ memory cell response and TCRαβ repertoire against SARS-CoV-2 immunogenic peptides. Cristina Hernández López de Munain. (The Spanish National Research Council (CSIC)). 11/05/2020-10/05/2021. 141.000 €.

5 **Proyecto**. Defining heterogeneity in Gestational Diabetes: towards precision medicine. A critical window to stop the vicious cycle of diabetes-obesity.. (Instituto de Investigación Biomédica de Málaga (IBIMA)). Desde 01/01/2022. 171.820 €.