

**ABBREVED CURRICULUM VITAE (CVA) – maximum 4 PAGES**

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Part A. PERSONAL INFORMATION		CV date	2021/05/11
First and Family name	José Antonio Encinar		
Social Security, Passport, ID number	06564821T	Age	52
Researcher codes	Open Researcher and Contributor ID (ORCID**)	http://orcid.org/0000-0002-7219-3863	
	SCOPUS Author ID (*)	35268584800	
	WoS Researcher ID (*)	42659790	

(\*) *Optional*

(\*\*) *Mandatory*

### A.1. Current position

Name of University/Institution	Universidad Miguel Hernández de Elche		
Department	Instituto de Investigación, Desarrollo e Innovación en Biotecnología Sanitaria de Elche (IDiBE)		
Address and Country	Av. de la Universidad. Despacho 2.08 Edif. Torregaitan. E-03202. Spain		
Phone number	+34 966658453	E-mail	<a href="mailto:Jant.encinar@umh.es">Jant.encinar@umh.es</a>
Current position	Profesor Titular de Universidad	From	2009
Key words	structural biocomputing, protein structure, molecular docking and dynamics		

### A.2. Education

PhD, Licensed, Graduate	University	Year
Licenciado en CC Biológicas	Universidad de Salamanca	1992
Doctor	Universidad Miguel Hernández de Elche	1998

### A.3. Career breaks\*

Date	Reason	Duration (months)

\* if applicable

### A.4. General indicators of quality of scientific production (see instructions)

Date of the last four six-year period of investigation granted: June 12, 2018 for 2012-2017.

Number of doctoral theses supervised in the last 10 years: 1.

Total citations: 1961. h-index: 27 (source Google scholar)

<https://scholar.google.com/citations?user=jTdMuycAAAAJ>

### Part B. CV SUMMARY (max. 3500 characters, including spaces)

José Antonio Encinar is associate professor (Profesor Titular de Universidad) of Biochemistry and Molecular Biology at the Department of Biochemistry and Molecular Biology, Miguel Hernández de Elche University. He obtained his doctorate (Biochemistry-Neuroscience) in 1998 (Instituto de Neurociencias de Alicante). He has been awarded the extraordinary doctoral prize in the Neurosciences program. He has completed two postdoctoral stays in Paris (Institut de Biologie Physico-Chimique. Prof. Philippe Devaux) and Heidelberg (European Molecular Biology Laboratory. Prof. Luis Serrano). His current research interests are focused on the use of computational approaches for the development of compounds that modulate the activity of proteins of biomedical interest (cancer, obesity, diabetes). The use of molecular modeling, docking and dynamics techniques allows high-throughput screening of chemical libraries for the selection of candidate compounds to modulate the activity of proteins of interest, which are then tested on the bench.



To date, he has co-published 81 primary and review articles.

He is currently developing his research activity at the Institute for Research, Development and Innovation in Health Biotechnology of Elche (IDiBE).

As a professor, Dr. Encinar has participated in multiple teaching activities for the Bachelor degrees of Biochemistry, Biotechnology and Food Science and Technology (EPSO-UMH).

### **Part C. RELEVANT MERITS** (*sorted by typology*)

#### **C.1. Publications** (*Publications during the last 10 years.*)

- [44] Alberola-Die et al. *Int. J. Mol. Sci.* 2021, 22, 11287. DOI: 10.3390/ijms222011287
- [43] Ortega-Muelas et al. *J Cell Mol Med.* 2021;00, 1-13. DOI: 10.1111/jcmm.16990
- [42] Tramonti et al. *Cancers* 2021, 13(16), 4009. DOI: 10.3390/cancers13164009
- [41] Marroqui et al. *Chemosphere.* 2021; 265:129051. DOI: 10.1016/j.chemosphere.2020.129051
- [40] Fuentes-Baile et al. *Cancers* 2020, 12(12), 3717. DOI: 10.3390/cancers12123717
- [30] Herranz-López et al. *Food Chem Toxicol.* 2020; 144:111606. DOI: 10.1016/j.fct.2020.111606
- [38] Rubio-Camacho et al. *Biomolecules* 2020, 10(7), 1015. DOI: 10.3390/biom10071015
- [37] Bosch-Barrera et al. *J. Clin. Med.* 2020, 9(6), 1770. DOI: 10.3390/jcm9061770
- [36] Encinar and Menendez. *Viruses* 2020, 12(5), 525. DOI: 10.3390/v12050525
- [35] Cuyàs et al. *Aging* 2020, 12(6): 4794-4814. DOI: 10.18632/aging.102887
- [34] Galiano et al. *The Journal of Membrane Biology* 2020, 1-14. DOI: 10.1007/s00232-020-00106-5
- [33] Verdura et al. *Aging* 2020, 12(1): 8-34. DOI: 10.18632/aging.102646
- [32] Olivares-Vicente et al. 2019. *Nutrients*; 11(12), 2961. DOI: 10.3390/nu11122961
- [31] Cuyàs et al. 2019. *Nutrients*; 11(7): 1656. DOI: 10.3390/nu11071656
- [30] Cuyàs et al. 2019. *Food Chem Toxicol.* 132: 110645. DOI: 10.1016/j.fct.2019.110645
- [29] Cuyàs et al. 2019. *Food Chem Toxicol.* 128: 35-45. DOI: 10.1016/j.fct.2019.03.049
- [28] Chico et al. 2019. *Front Immunol.* 2019; 10: 613. DOI: 10.3389/fimmu.2019.00613
- [27] Falco et al. 2019. *Mar Drugs.* 17(2). DOI: 10.3390/md17020087
- [26] Ruiz-Torres et al. 2018. *Marine Drugs*, 16(10), 385. DOI: 10.3390/md16100385
- [25] Álvarez-Martínez et al. 2018. *Current Medicinal Chemistry.* DOI: 10.2174/0929867325666181008115650
- [24] Medina-Gali et al. 2018. *Fish Shellfish Immunol.* 82: 514-521. DOI: 10.1016/j.fsi.2018.08.056



- [23] Lama et al. 2018. *Fish Shellfish Immunol.* 82: 190-199. DOI: 10.1016/j.fsi.2018.08.004
- [22] Bello-Perez et al. 2018. *Drug Design, Development and Therapy*, 12: 2337-2359. DOI: 10.2147/DDDT.S171087
- [21] Olivares-Vicente et al. 2018. *Current Drug Metabolism*, 19: 351-369. DOI: 10.2174/1389200219666180220095236
- [20] Micol et al. 2017. *Agro FOOD Industry Hi Tech.* vol. 28(5). SCOPUS: 2-s2.0-85033694815
- [19] Bello-Perez et al. 2017. *Molecular Immunology* 91: 145-155. DOI: 10.1016/j.molimm.2017.09.005
- [18] Herranz-López et al. 2017. *Nutrients*, 9(8), 907. DOI: 10.3390/nu9080907
- [17] Micol and Encinar. 2017. *Agro FOOD Industry Hi Tech.* vol. 28(2). SCOPUS: 2-s2.0-85031772569
- [16] Ruiz-Torres et al. 2017. *Molecules*, 22(7): 1037. DOI: 10.3390/molecules22071037
- [15] Jiménez-Sánchez et al. 2017. *PLoS ONE*, 12(3): e0173074. DOI: 10.1371/journal.pone.0173074
- [14] Bello et al. 2016. *J. Dev Comp Immunol.* 69: 33-40. DOI: 10.1016/j.dci.2016.12.001
- [13] Galiano-Ibarra et al. 2016. *Drug Design, Development and Therapy*, 10: 3163-3181. DOI: 10.2147/DDDT.S117369
- [12] Encinar et al. 2015. *Drug Design, Development and Therapy*. 9: 5877-5895. DOI: 10.2147/DDDT.S93449
- [11] Molina et al. 2015. *J Biol Chem.* 290(42): 25745-25755. DOI: 10.1074/jbc.M115.669598
- [10] Corral-Rodríguez et al. 2014. *Biochem J.* 464: 23-34. DOI: 10.1042/BJ20140409
- [9] López-Jiménez et al. 2014. *Antiviral Res.* 108: 14-24. DOI: 10.1016/j.antiviral.2014.04.009
- [8] Poveda et al. 2014. *Biochim Biophys Acta.* 1838(6): 1560-1567. DOI: 10.1016/j.bbamem.2013.10.023
- [7] Martínez-López et al. 2013. *Marine Drugs*, 11(7): 2328-2346. DOI: 10.3390/md11072328
- [6] Ibarra, M. et al. 2013. *Biochimica et Biophysica Acta*, 1828 (2013): 2553-2563. DOI: 10.1016/j.bbamem.2013.06.014
- [5] Giudici et al. 2013. *BBA - Biomembranes*, 1828(2): 193-200. DOI: 10.1016/j.bbamem.2012.09.020
- [4] Renart et al. 2012. *Biochemistry*, 51: 3891-3900. DOI: 10.1021/bi201497n
- [3] Navarro et al. 2012. *Biochemistry*, 51: 3470-3484. DOI: 10.1021/bi201574t
- [2] Clemente-Casares et al. 2011. *PLoS ONE* 6(4): e18515. DOI: 10.1371/journal.pone.0018515
- [1] Martínez-Cruz et al. 2011. *Protein Eng Des Sel.* 24(1-2): 161-169. DOI: 10.1093/protein/gzq073



## **C.2. Research projects (Last 5 years)**

1. Nuevos enfoques terapéuticos frente a enfermedades metabólicas: modulación de la ingesta de alimentos y del balance energético mediante nutracéuticos y neurotecnología. Ref.: PROMETEO/2021/059. Generalitat Valenciana. Dr. Vicente Micol. 2021-2024. 548.816 €.
2. Una innovadora aproximación metabonómica inductiva para la identificación de metabolitos derivados de polifenoles de la dieta y sus dianas moleculares. Ministerio de Ciencia, Innovación y Universidades. Dr. Vicente Micol. Ref: RTI2018-096724-B-C21. 2019-2021. 145.200 €
3. Plataforma en nAnoTEcNología Traslacional (PATENT). Ayudas para adquisición de infraestructuras y equipamiento de I+D+i por las universidades públicas valencianas y consorcios públicos de investigación adscritos a la Generalitat Valenciana. Dr. Antonio V. Ferrer Montiel. 2018-2019. 770.000 €
4. El carácter multifactorial de los polifenoles: una oportunidad para el desarrollo de herramientas terapéuticas frente a la obesidad y las enfermedades infecciosas. Ref.: PROMETEO/2016/006. Generalitat Valenciana. Dr. Vicente Micol. 2016-2019. 219.478 €.

## **C.3. Contracts, technological or transfer merits**

Collaboration agreement for the constitution of the Mixed Research Group "Research into new technologies in the treatment and diagnosis of cancer". Foundation for the promotion of sanitary and biomedical research of the Valencian community (FISABIO). Antonio Vicente Ferrer Montiel. 28/07/2015-28/07/2019.

## **C.4. Patents**

TREATMENT OF NRF2-RELATED DISEASES. 2021. Inventors: Antonio Cuadrado Pastor (45%), Raquel Fernández Ginés (15%), José Antonio Encinar (15%), Rafaél León Martínez (5%), Juan Felipe Franco Gonzáles (5%), Manuel García López (5%), María Isabel Rodríguez Franco (5%), Ana Isabel Rojo Sanchís (5%).