

ABBREVED CURRICULUM VITAE (CVA) – maximum 4 PAGES

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Part A. PERSONAL INFORMATION		CV date	2024/03/21
First and Family name	José Antonio Encinar		
Social Security, Passport, ID number	06564821T	Age	55
Researcher codes	Open Researcher and Contributor ID (ORCID**)	http://orcid.org/0000-0002-7219-3863	
	SCOPUS Author ID (*)	35268584800	
	WoS Researcher ID (*)	42659790	

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. Desp. 2.08 Edif. Torregaitan. E-03202. Spain		
Phone number	+34 966658453	E-mail	Jant.encinar@umh.es
Current position	Profesor Titular de Universidad	From	2009
Key words	structural biocomputing, protein structure, molecular docking and dynamics, cancer, bioactive compounds		

A.2. Education

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

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: 2846 (March 2024). h-index: 31 (source Google scholar)

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

Total citations: 2097 (March 2024). h-index: 27 (source SCOPUS)

<https://www.scopus.com/authid/detail.uri?authorId=35268584800>

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 89 primary and review articles. All articles published to date are available in PDF format at: <https://shaker.umh.es/publications/>

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), Courses of the IDiBE's Doctoral Program in Health Biotechnology.



Part C. RELEVANT MERITS (sorted by typology)

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

All my publications are available on the web at <https://shaker.umh.es/publications/>

- [47] Verdura et al., 2024, Phytomedicine, (2024) 128, 155493. [10.1016/j.phymed.2024.155493](https://doi.org/10.1016/j.phymed.2024.155493)
- [46] Gilglioni et al., 2023, pre-print version. [10.1101/2023.12.01.569004](https://doi.org/10.1101/2023.12.01.569004)
- [45] Fernández-Ginés et al., Redox Biology, 69 (2024) 103027. [10.1016/j.redox.2024.103027](https://doi.org/10.1016/j.redox.2024.103027)
- [44] Menendez et al. Molecular Oncology, 29 December 2023. [10.1002/1878-0261.13582](https://doi.org/10.1002/1878-0261.13582)
- [43] Verdura et al. Cancers. 2022; 14(24), 6101. DOI: [10.3390/cancers14246101](https://doi.org/10.3390/cancers14246101)
- [42] Srivastava et al. F. Rad. Biol. Med. 2022; 192, 246-260. DOI: [10.1016/j.freeradbiomed.2022.09.023](https://doi.org/10.1016/j.freeradbiomed.2022.09.023)
- [41] Verdura et al. Int. J. of Mol. Sciences, 2022; 23(17), 9986. DOI: [10.3390/ijms23179986](https://doi.org/10.3390/ijms23179986)
- [40] Fernández-Ginés et al. Red. Biol. 2022; 55, 102396. DOI: [10.1016/j.redox.2022.102396](https://doi.org/10.1016/j.redox.2022.102396)
- [39] Falco et al. Mar. Drugs 2022; 20(6), 363. DOI: [10.3390/md20060363](https://doi.org/10.3390/md20060363)
- [38] Babiloni-Chust et al. Environ Int. 2022; 164,107250. DOI: [10.1016/j.envint.2022.107250](https://doi.org/10.1016/j.envint.2022.107250)
- [37] Alberola-Die et al. Int. J. Mol. Sci. 2021; 22, 11287. DOI: [10.3390/ijms222011287](https://doi.org/10.3390/ijms222011287)
- [36] Ortega-Muelas et al. J Cell Mol Med. 2021;00, 1-13. DOI: [10.1111/jcmm.16990](https://doi.org/10.1111/jcmm.16990)
- [35] Tramonti et al. Cancers 2021, 13(16), 4009. DOI: [10.3390/cancers13164009](https://doi.org/10.3390/cancers13164009)
- [34] Marroqui et al. Chemosphere. 2021; 265: 129051. DOI: [10.1016/j.chemosphere.2020.129051](https://doi.org/10.1016/j.chemosphere.2020.129051)
- [33] Fuentes-Baile et al. Cancers 2020, 12(12), 3717. DOI: [10.3390/cancers12123717](https://doi.org/10.3390/cancers12123717)
- [32] Herranz-López et al. Food Chem Toxicol. 2020; 144:111606. DOI: [10.1016/j.fct.2020.111606](https://doi.org/10.1016/j.fct.2020.111606)
- [31] Rubio-Camacho et al. Biomolecules 2020, 10(7), 1015. DOI: [10.3390/biom10071015](https://doi.org/10.3390/biom10071015)
- [30] Bosch-Barrera et al. J. Clin. Med. 2020, 9(6), 1770. DOI: [10.3390/jcm9061770](https://doi.org/10.3390/jcm9061770)
- [29] Encinar and Menendez. Viruses 2020, 12(5), 525. DOI: [10.3390/v12050525](https://doi.org/10.3390/v12050525)
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- [27] Galiano et al. The Journal of Memb. Biol. 2020, 1-14. DOI: [10.1007/s00232-020-00106-5](https://doi.org/10.1007/s00232-020-00106-5)
- [26] Verdura et al. Aging 2020, 12(1): 8-34. DOI: [10.18632/aging.102646](https://doi.org/10.18632/aging.102646)
- [25] Olivares-Vicente et al. 2019. Nutrients; 11(12), 2961. DOI: [10.3390/nu11122961](https://doi.org/10.3390/nu11122961)
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- [23] Cuyàs et al. 2019. Food Chem Toxicol. 132: 110645. DOI: [10.1016/j.fct.2019.110645](https://doi.org/10.1016/j.fct.2019.110645)
- [22] Cuyàs et al. 2019. Food Chem Toxicol. 128: 35-45. DOI: [10.1016/j.fct.2019.03.049](https://doi.org/10.1016/j.fct.2019.03.049)
- [21] Chico et al. 2019. Front Immunol. 2019; 10: 613. DOI: [10.3389/fimmu.2019.00613](https://doi.org/10.3389/fimmu.2019.00613)
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- [18] Álvarez-Martínez et al. 2018. Current Med. Chem. DOI: [10.2174/0929867325666181008115650](https://doi.org/10.2174/0929867325666181008115650)



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- [15] Bello-Perez et al. 2018. Drug Design, Development and Therapy, 12: 2337-2359. DOI: [10.2147/DDDT.S171087](https://doi.org/10.2147/DDDT.S171087)
- [14] Olivares-Vicente et al. 2018. Current Drug Metabolism, 19: 351-369. DOI: [10.2174/1389200219666180220095236](https://doi.org/10.2174/1389200219666180220095236)
- [13] Micol et al. 2017. Agro FOOD Industry Hi Tech. vol. 28(5). SCOPUS: 2-s2.0-85033694815
- [12] Bello-Perez et al. 2017. Molecular Immunology 91: 145-155. DOI: [10.1016/j.molimm.2017.09.005](https://doi.org/10.1016/j.molimm.2017.09.005)
- [11] Herranz-López et al. 2017. Nutrients, 9(8), 907. DOI: [10.3390/nu9080907](https://doi.org/10.3390/nu9080907)
- [10] Micol and Encinar. 2017. Agro FOOD Industry Hi Tech. vol. 28(2). SCOPUS: 2-s2.0-85031772569
- [9] Ruiz-Torres et al. 2017. Molecules, 22(7): 1037. DOI: [10.3390/molecules22071037](https://doi.org/10.3390/molecules22071037)
- [8] Jiménez-Sánchez et al. 2017. PLoS ONE, 12(3): e0173074. DOI: [10.1371/journal.pone.0173074](https://doi.org/10.1371/journal.pone.0173074)
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- [5] Encinar et al. 2015. Drug Design, Development and Therapy. 9: 5877-5895. DOI: [10.2147/DDDT.S93449](https://doi.org/10.2147/DDDT.S93449)
- [4] Molina et al. 2015. J Biol Chem. 290(42): 25745-25755. DOI: [10.1074/jbc.M115.669598](https://doi.org/10.1074/jbc.M115.669598)
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- [2] López-Jiménez et al. 2014. Antiviral Res. 108: 14-24. DOI: [10.1016/j.antiviral.2014.04.009](https://doi.org/10.1016/j.antiviral.2014.04.009)
- [1] Poveda et al. 2014. Biochim Biophys Acta. 1838(6): 1560-1567. DOI: [10.1016/j.bbamem.2013.10.023](https://doi.org/10.1016/j.bbamem.2013.10.023)

C.2. Research projects (Last 10 years: 2024-2014)

1. Rethinking fatty acid synthase activity as an information-processing system for functional precision oncology. IP: Dr. Javier Menéndez. Ref.: PID2022-141955OB-I00. Financiador: Agencia Estatal de Investigación. 2023-2025. 337.500 €
2. Nuevos ingredientes funcionales con aplicaciones cosméticas basados en el aprovechamiento y revalorización de la paja de arroz. IPs: Drs. Enrique Barrajón y Vicente Micol. Ref.: TED2021-129932B-C21. Financiador: Agencia Estatal de Investigación. 2022-2024. 230.000 €
3. Desarrollo de técnicas avanzadas de reciclado terciario de la paja de arroz y su conversión en materias primas renovables para el sector calzado. IP: Drs. Enrique Barrajón. Ref.: INNEST/2022/103. Financiador: Agencia Valenciana de la Innovación. 2022-2024. 154.125 €
4. Desarrollo de nuevos fármacos inhibidores de CDK4 dirigidos contra la interfase CDK4-cyclinaD1 para el tratamiento del glioblastoma multiforme. Ref.: ILISABIO/2021/A01. Financiador: Universidad Miguel Hernández de Elche. IPs: Dr. José Antonio Encinar y Camino de Juan. 2022. 5.000 €



5. Evaluación multiómica de los efectos saludables de extractos de hoja de olivo microencapsulados en obesidad. IPs: Drs. Enrique Barrajón y Vicente Micol. Ref.: PID2021-125188OB-C32. Financiador: Ministerio de Ciencia e Innovación. Plan Estatal de Investigación Científica, Técnica y de Innovación. 2022-2025. 198.440 €

6. 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. Financiador: Generalitat Valenciana. IPs: Drs. Vicente Micol y María Herranz. 2021-2024. 548.816 €.

7. Una innovadora aproximación metabonómica inductiva para la identificación de metabolitos derivados de polifenoles de la dieta y sus dianas moleculares. Financiador: Ministerio de Ciencia, Innovación y Universidades. Dr. Vicente Micol. Ref: RTI2018-096724-B-C21. 2019-2021. 145.200 €

8. 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 €

9. 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. Financiador: Generalitat Valenciana. Dr. Vicente Micol. 2016-2019. 219.478 €.

10. Nutracéuticos de 2ª generación de plantas comestibles basados en extractos polifenólicos moduladores del metabolismo energético: aplicaciones en la prevención de la obesidad. Ref.: AGL2015-67995-C3-1-R. Ministerio de Ciencia e Innovación. Dr. Vicente Micol. 2016-2019. 127.050 €.

11. Searching for applications of fish innate memory (“trained immunity”): immunomodulators, therapeutic agents and vaccines. Ref.: AGL2014-51773-C3-1-R. Ministerio de Ciencia e Innovación. Dr. Luis Pérez. 2015-2017. 140.000 €.

C.4. Patents

1.- TREATMENT OF NRF2-RELATED DISEASES. Patente solicitada 15-01-2021. Inventores: Antonio Cuadrado Pastor (45%), Raquel Fernández Ginés (15%), **José Antonio Encinar** (15%), Rafael León Martínez (5%), Juan Felipe Franco Gonzáles (5%), Manuel García López (5%), María Isabel Rodríguez Franco (5%), Ana Isabel Rojo Sanchís (5%). PHAR compound has been submitted for international patent (application number PCT/EP2022/050657; priority date of January 13, 2022) for use as PPI inhibitor of beta-TrCP/NRF2 and use un therapy of liver disease. Patente licenciada a la empresa SERVATRIX S.L.

<https://worldwide.espacenet.com/patent/search/family/074844862/publication/WO2022152800A1?q=WO2022152800A1>

2.- Patent application entitled “uses of protein tyrosine phosphatase receptor kappa inhibitors (PTPRK Inhibitors)” filed in the name of Université libre de Bruxelles and Miguel Hernández University of Elche on November 15th, 2023 under application number EP23383162.7 at the EPO via the Oficina Española de Patentes y Marcas designating Esteban Gurzov, Eduardo Gilgioni and José Antonio Encinar as inventors. Esteban Gurzov (33.5%), Eduardo Gilgioni (33.5%), **José Antonio Encinar** (33%).