MINISTERIO DE CIENCIA, INNOVACIÓN Y UNIVERSIDADES

CURRICULUM VITAE (maximum 4 pages)

CV date	2019/05/16

Part A. PERSONAL INFORMATION

First and Family name	José Antonio Encinar Hidalgo		
Social Security, Passport, ID number	06564821T	Age	50
Researcher numbers	Researcher ID	F-2946-2013	
	Orcid code	0000-0002-7219-3863	

A.1. Current position

Name of University/Institution	Universidad Miguel Hernández de Elche		
Department	Instituto de Biología Molecular y Celular		
Address and Country	Av. de la Universidad. s/n, Edif. Torregaitan. E-03202. Elche. Alicante. Spain		
Phone number	+3496658453	E-mail	Jant.encinar@umh.es
Current position	Professor of Biochemistry and Molecular Biology	From	2009
Espec. cód. UNESCO	230290, 230203, 230222		
Palabras clave	Molecular docking, bioactive compounds, kinase modulator		

A.2. Education

PhD	University	Year
Sciences	Universidad Miguel Hernández de Elche	1998

A.3. JCR articles, h Index, thesis supervised.

62 JRC articles, h-index (SCOPUS): 18, 1 thesis supervised.

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

My research experience began in 1993 with the completion of a Bachelor Thesis at the University of Salamanca based on the study of the effect of hyperoxia on the lipid composition of pulmonary surfactant in neonatal and adult rats and that allowed me to publish my first work in an international scientific journal. From that date to the present I have co-published 62 articles indexed in the JCR and 4 articles in books. I have participated in 24 projects financed nationally, regionally and locally. The lines of work in which I have participated and participate focus on the study of protein-protein and lipid-protein interactions, structure-function relationships in soluble and membrane proteins (nicotinic acetylcholine receptor and ion channel KcsA) and the structural biocomputation for the development of bioactive molecules (*in silico* design of protein modulating peptides, design of non-peptidic ligands, etc.). I have extensive experience in FTIR spectroscopy techniques, work with membrane proteins (ion channels nAcChR, KcsA) and computer techniques (Python language, database development, protein modeling, molecular coupling). My current scientific interests are focused on the study of structure-function relationships in biologically relevant proteins in a context related to the defense of a host against a microbial attack (RNA polymerases dependent on RNA), as well as the development of small modulatory bioactive molecules of medically relevant proteins in obesity processes (PPARgamma, AMPK, mTor, interleukins, etc). Since 2009 I am Professor of the University and I have a recognized experience of 25 years in teaching first and second cycle and PhD in the area of Biochemistry and Molecular Biology. I am currently a professor responsible for the subjects of Biochemistry and Food Biochemistry of the Degree in Food Science and Technology taught at the Higher Polytechnic School of Orihuela of the Miguel Hernández University in Elche.

Part C. RELEVANT MERITS

C.1. Publications (including books)

1. Cuyàs, E. et al. 2019. Food Chem Toxicol.; 128: 35-45. DOI: 10.1016/j.fct.2019.03.049
2. Chico, V. et al. 2019. Front Immunol. 2019; 10: 613. DOI: 10.3389/fimmu.2019.00613
3. Falco, A. et al. 2019. Mar Drugs. 17(2). DOI: 10.3390/md17020087
4. Ruiz-Torres, V. et al. 2018. Marine Drugs 2018, 16(10), 385. DOI: 10.3390/md16100385

5. Álvarez-Martínez, F.J. et al. 2018. Current Medicinal Chemistry. DOI: 10.2174/0929867325666181008115650
6. Medina-Gali, R.M. et al. 2018. Fish Shellfish Immunol. 82: 514-521. DOI: 10.1016/j.fsi.2018.08.056
7. Lama, R. et al. 2018. Fish Shellfish Immunol. 82: 190-199. DOI: 10.1016/j.fsi.2018.08.004
8. Bello-Perez, M. et al. 2018. Drug Design, Development and Therapy, 12: 2337-2359. DOI: 10.2147/DDDT.S171087
9. Olivares-Vicente, M. et al. 2018. Current Drug Metabolism, 19: 351-369. DOI: 10.2174/1389200219666180220095236
10. Micol, V. et al. 2017. Agro FOOD Industry Hi Tech - vol. 28(5) - September/October 2017. SCOPUS: 2-s2.0-85033694815
11. Bello-Perez, M. et al. 2017. Molecular Immunology 91: 145-155. DOI: 10.1016/j.molimm.2017.09.005
12. Herranz-López, M. et al. 2017. Nutrients, 9(8), 907. DOI: 10.3390/nu9080907
13. Micol, V. and Encinar, J.A. 2017. Agro FOOD Industry Hi Tech - vol. 28(2) - March/April 2017. SCOPUS: 2-s2.0-85031772569
14. Ruiz-Torres, V. et al. 2017. Molecules, 22(7): 1037. DOI: 10.3390/molecules22071037
15. Jiménez-Sánchez, C. et al. 2017. PLoS ONE, 12(3): e0173074. DOI: 10.1371/journal.pone.0173074
16. Bello, M. et al. 2016. J. Dev Comp Immunol. 69: 33-40. DOI: 10.1016/j.dci.2016.12.001
17. Galiano-Ibarra, V. et al. 2016. Drug Design, Development and Therapy, 10: 3163-3181. DOI: 10.2147/DDDT.S117369
18. Encinar, J.A. et al. 2015. Drug Design, Development and Therapy. 9: 5877-5895. DOI: 10.2147/DDDT.S93449
19. Molina, M.L. et al. 2015. J Biol Chem. 290(42): 25745-25755. DOI: 10.1074/jbc.M115.669598
20. Corral-Rodríguez, M.A. et al. 2014. Biochem J. 464: 23-34. DOI: 10.1042/BJ20140409
21. López-Jiménez, A.J. et al. 2014. Antiviral Res. 108: 14-24. DOI: 10.1016/j.antiviral.2014.04.009
22. Poveda J.A. et al. 2014. Biochim Biophys Acta. 1838(6): 1560-1567. DOI: 10.1016/j.bbamem.2013.10.023
23. Martinez-López, A. et al. 2013. Marine Drugs, 11(7): 2328-2346. DOI: 10.3390/md11072328
24. Ibarguren, M. et al. 2013. Biochimica et Biophysica Acta, 1828 (2013): 2553-2563. DOI: 10.1016/j.bbamem.2013.06.014
25. Giudici, A.M. et al. 2013. BBA - Biomembranes, 1828(2): 193-200. DOI: 10.1016/j.bbamem.2012.09.020
26. Renart, M.L. et al. 2012. Biochemistry, 51: 3891-3900. DOI: 10.1021/bi201497n
27. Navarro, A. et al. 2012. Biochemistry, 51: 3470-3484. DOI: 10.1021/bi201574t
28. Clemente-Casares, P. et al. 2011. PLoS ONE 6(4): e18515. DOI: 10.1371/journal.pone.0018515
29. Martínez-Cruz, L.A. et al. 2011. Protein Eng Des Sel. 24(1-2): 161-169. DOI: 10.1093/protein/gzq073
30. Renart, M.L. et al. 2010. Biochemistry. 49(44): 9480-9487. DOI: 10.1021/bi101235v
31. Triano, I. et al. 2010. Biochemistry. 49(25): 5397-5404. DOI: 10.1021/bi1003712
32. Lucas, M. et al. 2010. J. Mol. Biol. 396(3): 800-820. DOI: 10.1016/j.jmb.2009.12.012
33. Encinar, J.A. et al. 2009. Bioinformatics. 25(18): 2418-2424. DOI: 10.1093/bioinformatics/btp424
34. Prades, J. et al. Molecular Membrane Biology 26(5-7): 265-278. DOI: 10.1080/09687680903081610
35. Martínez-Cruz, L.A. et al. 2009. Biochemistry, 48: 2760-2776. DOI: 10.1021/bi801920r
36. Martínez-Rodríguez, A. et al. Biophysical Chemistry. 139(1): 42-52. DOI: 10.1016/j.bpc.2008.10.003
37. Poveda, J.A. et al. 2008. Biochimica et Biophysica Acta, 1778: 1583-1590. DOI: 10.1016/j.bbamem.2008.01.021
38. Molina, M.L. et al. 2008. J. Biol. Chem. 283(26): 18076-18085. DOI: 10.1074/jbc.M710132200
39. Barceló, F. et al. 2007. Biophysical Journal, 93: 2530-2541. DOI: 10.1529/biophysj.106.101196

40. Fernández, A.M. et al. 2006. Protein lipid-interactions: New approaches and emerging concepts. 203-233. DOI: 10.1007/3-540-28435-4_8
41. Fernández-Carvajal, A.M. et al. 2006. J. Mol. Neurosci. 30(1-2): 121-124. DOI: 10.1385/JMN:30:1:121
42. Morales, A. et al. 2006. J. Mol. Neurosci. 30(1-2): 5-6. DOI: 10.1385/JMN:30:1:5
43. Gonzalez-Ros, J.M. et al. 2006. J. Mol Neurosci. 30(1-2): 1-2. DOI: 10.1385/JMN:30:1:1
44. Renart, M.L. et al. 2006. J. Biol. Chem. 281(40): 29905-29915. DOI: 10.1074/jbc.M602636200
45. Molina, M.L. et al. 2006. J. Biol. Chem. 281(27): 18837-18848. DOI: 10.1074/jbc.M600342200
46. Barrera, F.N. et al. 2005. Biochemistry. 44(43): 14344-14352. DOI: 10.1021/bi050845t
47. Encinar, J.A. 2005. FEBS letters. 579: 5199-5204. DOI: 10.1016/j.febslet.2005.08.038
48. Poveda, J.A. et al. (2004). In "Cholynergic mechanism: Function and dysfunction". 665-669. ISBN:1841840750.
49. Molina, M.L. et al. 2004. Biochemistry. 43(47): 14924-14931. DOI: 10.1021%2Fbi048889%2B
50. Encinar, J.A. et al. 2003. Biochemistry. 42: 8879-8884. DOI: 10.1021/bi0343121
51. Poveda, J.A. et al. 2003. Biochemistry. 42: 7124-7132. DOI: 10.1021/bi027183h
52. Mas, V. et al. 2002. J. Gen. Virol. 83: 2671-2681. DOI: 10.1099/0022-1317-83-11-2671
53. Poveda, J.A. et al. 2002. Biochemistry 41: 12253-12262. DOI: 10.1021/bi0200099
54. Encinar, J.A. et al. 2002. Biochemistry, 41: 12263-12269. DOI: 10.1021/bi020188u
55. Estepa, A. et al. 2001. J. Biol. Chem. 276: 46268-46275. DOI: 10.1074/jbc.M108682200
56. Encinar, J.A. et al. 2001. J. Biol. Chem. 276: 2742-2751. DOI: 10.1074/jbc.M008594200
57. Riquelme, G. et al. 1999. Pflugers Arch, 438: 879-882. DOI: 10.1007/s004249900138
58. González-Ros, J.M. et al. 1998. Journal of Physiology-Paris. 92(5-6): 432-433. DOI: 10.1016/S0928-4257(99)80046-1
59. Encinar, J.A. et al. 1998. FEBS lett. 429: 78-82. DOI: 10.1016/S0014-5793(98)00571-7
60. Encinar, J.A. et al. 1998. Biochem. J. 331: 497-504. DOI: 10.1042/bj3310497
61. Encinar, J.A. et al. 1997. Spectroscopy of Biological Molecules: Modern Trends. DOI: 10.1007/978-94-011-5622-6_152
62. Echabe, I. et al. 1997. Biospectroscopy, 3: 469-475. DOI: 10.1002/(SICI)1520-6343(1997)3:6<469::AID-BSPY6>3.0.CO;2-W
63. Fernández, A.M. et al. 1996. FEBS lett. 389: 81-86. DOI: 10.1016/S0014-5793(96)01186-6
64. Rodríguez-Crespo, I. et al. 1996. Eur. J. Biochem. 242: 243-248. DOI: 10.1111/j.1432-1033.1996.0243r.x
65. Encinar, J. A. et al. 1996. Biophys. J. 71: 1313-1323. DOI: 10.1016/S0006-3495(96)79331-1
66. Encinar, J.A. et al. 1996. Eur. J. Clin. Chem. Clin. Biochem. 34: 9-15. DOI: 10.1515/cclm.1996.34.1.9

C.2. Research projects and grants

1. 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 €
2. 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. 2018-209. 770.000 €
3. 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 €.
4. Nutraceúticos 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 €.

5. 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 €.
6. The potassium channel KcsA: a versatile workbench to progress in ion channel structure, function and drug discovery studies. Ref.: BFU2011-25920. Ministerio de Ciencia e Innovación. Dr. José Manuel González Ros. 2012-2014. 152.000 €.
7. Desarrollo de inhibidores de PTK6 como posibles nuevos agentes terapéuticos en carcinomas de mama, páncreas y melanoma. Hospital Universitario de Elche. Dra. Trinidad Mata. 2011. 5.000 €.
8. The Spanish Ion Channel Initiative. Programa de actividad investigadora CONSOLIDER-INGENIO 2010 en el marco del Plan Nacional de I+D+I 2008-2011). Ref.: CSD2008-00005. M. de Ciencia e Innov. Dr. Antonio V. Ferrer Montiel. 2009-2014. 6.000.000 €.
9. Neurociencia y biología estructural: nuevos compañeros para un largo viaje. Acciones complementarias para los proyectos de investigación fundamental no orientada - MCyT 2008. Ministerio de Educación y Ciencia. Dr. José M. González Ros. 2008. 12.000 €.

C.3. Contracts

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.5, C.6, C.7 (e. g., Institutional responsibilities, memberships of scientific societies…)

In relation to academic management I have been Secretary of the Department of Biochemistry and Molecular Biology (2006-2011) and I´m currently Secretary of the Institute of Molecular and Cellular Biology (since 2016). I have developed, edited and maintained several websites, including the one of the Spanish Society of Biophysics (2013-2018): http://www.sbe.es/ or the Institute of Molecular and Cellular Biology (2002-2019): http: //ibmc.umh.es/