Part A. PERSONAL INFORMATION

CV date	20-09-2021

First and Family name	Cesáreo Roncero Romero		
Social Security, Passport, ID number	1899734A	Age	63
Researcher numbers	Researcher ID	H-9039-2015	
	Orcid code	0000-0001-7608-8553	

A.1. Current position

Name of University/Institution	Universidad Complutense de Madrid			
Department	Bioquímica y Biología Molecular			
Address and Country	Pz. Ramón y Cajal s/n			
Phone number	913941855	E-mail	ceronce@ucm.es	
Current position	Profesor Titular de Universidad		From	12-03-2002
Espec. cód. UNESCO	2403, 2415			
Palabras clave	Gene Expression Regulation, Liver, Proliferation, Apoptosis			

A.2. Education

PhD	University	Year
Science	Autónoma de Madrid	1987

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

Numero de sexenios: 3

Researcherid information content give a total of 52 publications 1927 citations and an average of 37 citations per article (52 per year), H index give a score of 25.

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

The begining of my scientific career was in the Department of Biochemistry od the Phaculty of Pharmacy in Complutense University. Along the 4 year of studies to get my title of PH.D I published the most relevant scientific results in 6 papers. During that time, I realized metabolic and molecular signaling studies using isolated or primary culture cells from fetal rats hepatocytes and brown adipocytes. It was a pioneer studies in my lab, developing appropriate methodology that have been used for more than 20 year subsequentntly.

My postdoctoral stay, close to 3 years, was in the Department of Biochemistry od the Medicine Faculty at University of Iowa was carried out with primary cultures od liver chicken embryos studing genic expression of lpogenic enzymes, learning the principal techniques od molecular biology developed in in the 80's. As a result, my research was published in 6 papers in relevant journals.

Once returned to Spain I follow my research in the group of Dr. Manuel Benito introducing the techniques learned in my postdostoral stay. At that time, I started a collaboration with Dra. Isabel Fabregat which is yet working after more than 25 years. From 1991 my main subject has been the study of hepatic physiopathlogy, researching transduction pathways of cytokines and growth factors, gene expression regulation

and other physiological processes such as proliferation or apoptosis. As a consequence, it was generated more than 20 scientific publcations.
From 2007 I started a collaboration with Dr. Conrado Rodriguez form Foundation Hospital of Alcorcón, working with liver human samples. This collaboration, in conjuction with Dra Fabregat has been partially published.
Moreover, along these years, I have appointed other collaborations with other researchers of my department, Dra. Porras and Dra. Oset, which originated 6 scientific papers with Dra. Oset in the neurochemistry field and 7 papers with Dra Porras.

Part C. RELEVANT MERITS

C.1. Publications (including books)

A Signaling Crosstalk between BMP9 and HGF/c-Met Regulates Mouse Adult Liver Progenitor Cell Survival
Addante, Annalisa; Roncero, Cesareo; Lazcanoiturburu, N; et al.
Cells 2020 Mar 19;9(3):752.
doi: 10.3390/cells9030752

c-Met Signaling Is Essential for Mouse Adult Liver Progenitor Cells Expansion After Transforming Growth Factor-beta-Induced Epithelial-Mesenchymal Transition and Regulates Cell Phenotypic Switch.
Almalé L, García-Álvaro M, Martínez-Palacián A, García-Bravo M; et al.
Stem Cells. 2019 Aug;37(8):1108-1118.
doi: 10.1002/stem.3038. Epub 2019 Jun 18.

Bone Morphogenetic Protein 9 as a key regulator of liver progenitor cells in DDC-induced cholestatic liver injury.
Addante, Annalisa; Roncero, Cesareo; Almale, Laura; et al.
Liver international Published: 2018-May-11
DOI: 10.1111/liv.13879

Dissecting the Role of Epidermal Growth Factor Receptor Catalytic Activity During Liver Regeneration and Hepatocarcinogenesis
Lopez-Luque, Judit; Caballero-Diaz, Daniel; Martinez-Palacian, Adoracion; et al.
Hepatology Volume: 63 Issue: 2 Pages: 604-619 Published: FEB 2016
Times Cited: 10
DOI: 10.1002/hep.28134

Tetrahydroisoquinoline-Derived Urea and 2,5-Diketopiperazine Derivatives as Selective Antagonists of the Transient Receptor Potential Melastatin 8 (TRPM8) Channel Receptor and Antiprostate Cancer Agents (vol 59, pg 5661, 2016)
De Petrocellis, Luciano; Arroyo, Francisco J.; Orlando, Pierangelo; et al.
Journal of Medicinal Chemistry Volume: 59 Issue: 16 Pages: 7697 Published: AUG 25 2016
DOI: 10.1021/acs.jmedchem.6b01091

BMP9-Induced Survival Effect in Liver Tumor Cells Requires p38MAPK Activation
Garcia-Alvaro, Maria; Addante, Annalisa; Roncero, Cesareo; et al.
International Journal of Molecular Sciences Volume: 16 Issue: 9 Pages: 20431-20448 SEP 2015
Times Cited: 4
DOI: 10.3390/ijms160920431

HGF/c-Met signaling promotes liver progenitor cell migration and invasion by an epithelial-mesenchymal transition-independent, phosphatidyl inositol-3 kinase-dependent pathway in an in vitro model
Suarez-Causado, A.; Caballero-Diaz, D.; Bertran, E.; et al.
Biochimica Et Biophysica Acta-Molecular Cell Research Volume: 1853 Issue: 10 Pages: 2453-2463 Published: OCT 2015
Times Cited: 8
DOI: 10.1016/j.bbamcr.2015.05.017

p38 MAPK down-regulates fibulin 3 expression through methylation of gene regulatory sequences: role in migration and invasion.
Arechederra M, Priego N, Vázquez-Carballo A, Sequera C, Gutiérrez-Uzquiza Á, Cerezo-Guisado MI, Ortiz-Rivero S, Roncero C, Cuenda A, Guerrero C, Porras A.
J Biol Chem. 2015 Feb 13;290(7):4383-97. doi: 10.1074/jbc.M114.582239. Epub 2014 Dec 29.PMID: 25548290

Glutamate triggers neurosecretion and apoptosis in bovine chromaffin cells through a mechanism involving NO production by neuronal NO synthase activation.
Pérez-Rodríguez R, Oliván AM, Roncero C, Morón-Oset J, González MP, Oset-Gasque MJ.
Free Radic Biol Med. 2014 Apr;69:390-402. doi: 10.1016/j.freeradbiomed.2014.01.029. Epub 2014 Jan 28. PMID: 24486340

Mouse hepatic oval cells require Met-dependent PI3K to impair TGF-β-induced oxidative stress and apoptosis.
Martínez-Palacián A, del Castillo G, Suárez-Causado A, García-Álvaro M, de Morena-Frutos D, Fernández M, Roncero C, Fabregat I, Herrera B, Sánchez A.
PLoS One. 2013;8(1):e53108. doi: 10.1371/journal.pone.0053108. Epub 2013 Jan 2.

NADPH oxidase NOX4 mediates stellate cell activation and hepatocyte cell death during liver fibrosis development.
Sancho P, Mainez J, Crosas-Molist E, Roncero C, Fernández-Rodriguez CM, Pinedo F, Huber H, Eferl R, Mikulits W, Fabregat I.
PLoS One. 2012;7(9):e45285. doi: 10.1371/journal.pone.0045285. Epub 2012 Sep 26. PMID: 23049784

Transient focal cerebral ischemia significantly alters not only EAATs but also VGLUTs expression in rats: relevance of changes in reactive astroglia.
Sánchez-Mendoza E, Burguete MC, Castelló-Ruiz M, González MP, Roncero C, Salom JB, Arce C, Cañadas S, Torregrosa G, Alborch E, Oset-Gasque MJ.
J Neurochem. 2010 Jun;113(5):1343-55. doi: 10.1111/j.1471-4159.2010.06707.x. Epub 2010 Mar 26. PMID: 20367756

Upregulation of the NADPH oxidase NOX4 by TGF-beta in hepatocytes is required for its pro-apoptotic activity.
Carmona-Cuenca I, Roncero C, Sancho P, Caja L, Fausto N, Fernández M, Fabregat I.
J Hepatol. 2008 Dec;49(6):965-76. doi: 10.1016/j.jhep.2008.07.021. Epub 2008 Sep 19.
PMID: 18845355

Mechanisms of nitric oxide-induced apoptosis in bovine chromaffin cells: Role of mitochondria and apoptotic proteins.

Pérez-Rodríguez R, Fuentes MP, Oliván AM, Martínez-Palacián A, Roncero C, González MP, Oset-Gasque MJ.
J Neurosci Res. 2007 Aug 1;85(10):2224-38. PMID: 17523167

Activation of NADPH oxidase by transforming growth factor-beta in hepatocytes mediates up-regulation of epidermal growth factor receptor ligands through a nuclear factor-kappaB-dependent mechanism.
Murillo MM, Carmona-Cuenca I, Del Castillo G, Ortiz C, Roncero C, Sánchez A, Fernández M, Fabregat I.
Biochem J. 2007 Jul 15;405(2):251-9.PMID: 17407446

EGF blocks NADPH oxidase activation by TGF-beta in fetal rat hepatocytes, impairing oxidative stress, and cell death.
Carmona-Cuenca I, Herrera B, Ventura JJ, Roncero C, Fernández M, Fabregat I.
J Cell Physiol. 2006 May;207(2):322-30.PMID: 16331683

C.2. Research projects and grants

- Title: Nuevas perspectivas sobre los mecanismos moleculares que regulan la expansión y el destino de las células progenitoras hepáticas durante la enfermedad crónica hepática. (SAF2015- 69145-R). MIMECO/FEDER. PUESTO DESEMPEÑADO: Miembro del equipo investigador. Financiación: 131000 INICIO/FINALIZACIÓN: Enero 2016/Diciembre 2018.

- Title: Strategy to inhibit TGF-beta in liver disease (IT-LIVER). FP7-PEOPLE-2012-ITN (Initial Training Networks). Referencia nº 316549. PUESTO DESEMPEÑADO: Investigadora del grupo de la UCM (Investigador responsable del grupo: Dr. A. Sánchez INICIO/FINALIZACIÓN: Octubre 2012-septiembre 2016.

Title: Búsqueda de biomarcadores de progresión a carcinoma hepatocelular en pacientes obesos. Fundacíon Mutua Madrileña AP115752013. Investigador responsable: Blanca María Herrera. Financiación: 16,000€. INICIO/FINALIZACIÓN: Junio 2013/Junio 2015. Número de investigadores participantes: 7

Title: Papel del tráfico intracelular, el citoesqueleto y las integrinas en la señalización inducida por TGF-beta en células hepáticas. Relevancia en fibrosis y hepatocarcinogénesis. Entidad financiadora: BFU-BCM2013-12477. Entidades participantes*:* Fundacion Privada Institut de Investigacio Biomedica De Bellvitge (Idibell)
Duración, desde: 1-1-2013 *hasta:* 31-12-2015 Cuantía de la subvención: 438.000 Euros Investigador responsable: Isabel Fabregat Romero. Número de investigadores participantes: 10

Title: Estudio sobre la regulación de los procesos de muerte y diferenciación/morfogénesis de las células progenitoras adultas hepáticas. Papel de las vias de señalización mediadas por Met y ErbB1. Entidad financiadora: SAF2009-12477 Entidades participantes*:* Universidad Complutense- Comunidad de Madrid
Duración, desde: 1-1-2010 *hasta:* 31-12-2012 Cuantía de la subvención:160.000 Euros Investigador responsable: Aranzazu Sánchez Muñoz. Número de investigadores participantes: 5

Title: Analisis De Las Vias De Transduccion De Señal Inducidas Por Tgf-Beta En Celulas Hepaticas Humanas Como Estrategia Para El Desarrollo De Nuevas Terapias En Patologias Del Higado Entidad financiadora: BFU2009-07219 Entidades participantes*: IDIBELL,* Universidad Complutense- Comunidad de Madrid.Duración,

desde: 1-1-2010 *hasta:* 31-12-2012. Investigador responsable: Isabel Fabregat Romero Número de investigadores participantes: 8

Title: La ruta HGF/c-met como moduladora de la biología de células progenitoras hepáticas. implicaciones en regeneración. Entidad financiadora: Ministerio de Ciencia y Tecnología. No Ref: SAF2006-12025 Entidades participantes: UCM
Duración, desde: 2006 *hasta:* 2009 Cuantía de la subvención: 130000 Euros Investigador responsable: Aranzazu Sánchez Muñoz Número de investigadores participantes: 4 (3EDPs)

Title: Señales pro- y anti-apoptóticas inducidas por tgf-b en hepatocitos. implicaciones en la fisiopatología del hígado. Entidad financiadora: Ministerio de Ciencia y Tecnología. No Ref: BFU2006-01036. Entidades participantes: IDIBELL-IRO (e investigadores miembros de la UCM: 2EDPs)
Duración, desde: 2006 *hasta:* 2009 Cuantía de la subvención: 230000 Euros. Investigador responsable: Isabel Fabregat Romero Número de investigadores participantes: 9 EDPs

Title: Estudio de las señales pro- y antiapoptóticas inducidas por TGF-beta en hepatocitos Entidad financiadora: Ministerio de Ciencia y Tecnología. No Ref: BMC2003-00524. Entidades participantes: UCM. Duración, desde: 2004 hasta: 2006 Cuantiía de la subvención: 120000. Investigador responsable: Isabel Fabregat Romero
Número de investigadores participantes: 4

C.3. Contracts

Type of contract: Derivado del Art. 11 de la L.R.U./ Art. 83 L.O.U. Empresa/Administración financiadora: F.I.V. Madrid Entidades participantes: Dto. de Bioquímica y Biología Molecular II Duración, desde: 2001 hasta:2003.Investigador responsable: Cesáreo Roncero. Número de investigadores participantes:4 .CUANTÍA TOTAL DEL PROYECTO: 9000 €

Type of contract: Derivado del Art. 83 L.O.U. Empresa/Administración Fina Biotech S.L. . Entidades participantes: UCM- URJC Duración, desde: 2007 hasta:2007 Investigador responsable: Cesáreo Roncero (UCM) – Conrado Fernández (URJC). Número de investigadores participantes:10 .CUANTÍA TOTAL DEL PROYECTO: 42000 €

C.4. Patents

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

Member of:
Biochemistry and Molecular Biology Spanish Society
Spanish Society for Liver Studies