

**ALTRES PUBLICACIONS**  
**OTRAS PUBLICACIONES**  
**OTHER SELECTED PUBLICATIONS**

- Moubarak RS, Solé C, Pascual M, Gutierrez H, Llovera M, Pérez-García MJ, Gozzelino R, Segura MF, Iglesias-Guimaraes V, Reix S, Soler RM, Davies AM, Soriano E, Yuste VJ, Comella JX.

*The death receptor antagonist FLIP-L interacts with Trk and is necessary for neurite outgrowth induced by neurotrophins.*

J Neurosci . **2010**. 30(17): 6094-105.

- Zhang J, Bahi N, Llovera M, Comella JX, Sanchis D

*Polypyrimidine tract binding proteins (PTB) regulate the expression of apoptotic genes and susceptibility to caspase-dependent apoptosis in differentiating cardiomyocytes.*

Cell Death Differ. **2009**; 16(11): 1460-8.

- Badiola N, Malagelada C, Llecha N, Hidalgo J, Comella JX, Sabriá J, Rodríguez-Alvarez J.

*Activation of caspase-8 by tumour necrosis factor receptor 1 is necessary for caspase-3 activation and apoptosis in oxygen-glucose deprived cultured cortical cells.*

Neurobiol Dis. **2009**; 35(3):438-47.

- Gou-Fabregas M, Garcera A, Mincheva S, Perez-Garcia MJ, Comella JX, Soler RM.

*Specific vulnerability of mouse spinal cord motoneurons to membrane depolarization.*

J Neurochem. **2009**; 110(6): 1842-54.

- Gomez-Lazaro M, Galindo MF, Concannon CG, Segura MF, Fernandez-Gomez FJ, Llecha N, Comella JX, Prehn JH, Jordan J.

*6-Hydroxydopamine activates the mitochondrial apoptosis pathway through p38*

*MAPKmediated, p53-independent activation of Bax and PUMA.*

J Neurochem. **2008**; 104(6): 1599-612.

- Sanchis D, Llovera M, Ballester M, Comella JX.

*An alternative view of apoptosis in heart development and disease.*

Cardiovasc Res. **2008**; 77(3): 448-51.

- de Pablo Y, Pérez-García MJ, Georgieva MV, Sanchis D, Lindqvist N, Soler RM, Comella JX, Llovera M.

*Tyr-701 is a new regulatory site for neurotrophin receptor TrkA trafficking and function.*

J Neurochem. **2008**; 104(1): 124-39.

- Pérez García MJ, De Pablo Y, Llovera M, Comella J.X, Soler R.M.  
*Calmodulin kinase IV regulates neuronal survival through the Phosphatidylinositol 3-kinase/Protein Kinase B pathway.*  
J. Biol. Chem. **2008**; 283: 4133-4144,.
- Gozzelino R, Sole C, Llecha N, Segura MF, Moubarak RS, Iglesias-Guimaraes V, Perez-Garcia MJ, Reix S, Zhang J, Badiola N, Sanchis D, Rodriguez-Alvarez J, Trullas R, Yuste VJ, Comella JX.  
*BCL-XL regulates TNF- $\alpha$ -mediated cell death independently of NF- $\kappa$ B, FLIP and IAPs.*  
Cell Research 18:1020-1036, **2008**.
- Encinas M, Rozen EJ, Dolcet X, Jain S, Comella JX, Milbrandt J, Johnson EM Jr.  
*Analysis of Ret knockin mice reveals a critical role for B-Raf, but not PI 3-K, in neurotrophic factor-induced survival of sympathetic neurons.*  
Cell Death Differ. **2008**; 15(9): 1510-21.
- David MD, Yeramian A, Duñach M, Llovera M, Cantí C, de Herreros AG, Comella JX, Herreros J.  
 *$\beta$ -catenin phosphorylation by Neurotrophins and Hepatocyte Growth Factor signaling regulates axon morphogenesis.*  
J Cell Sci. **2008**; 121: 2718-30.
- Marler KJ, Becker-Barroso E, Martínez A, Llovera M, Wentzel C, Poopalasundaram S, Hindges R, Soriano E, Comella J, Drescher U.  
*A TrkB – ephrinA interaction controls retinal axon branching and synaptogenesis.*  
J Neurosci. **2008**; 28(48): 12700-12.
- Zhang J, Bahi N, Zubiaga AM, Comella JX, Llovera M, Sanchis D.  
*Developmental silencing and independency from E2F of apoptotic 3 gene expression in postmitotic tissues.*  
FEBS Letters 581:5781–5786, **2007**.
- Segura MF, Sole C, Pascual M, Moubarak RS, Perez-Garcia MJ, Gozzelino R, Iglesias V, Badiola N, Bayascas JR, Llecha N, Rodriguez-Alvarez J, Soriano E, Yuste VJ, Comella JX.  
*The long form of FAS apoptotic inhibitory molecule (FAIML) is specifically expressed in neurons and protects them against death receptor-triggered apoptosis.*  
The Journal of Neuroscience 27:11228-11241, **2007**.

- Chavarria T, Valenciano AI, Mayordomo R, Egea J, Comella JX, Hallböök F, de Pablo F, de la Rosa EJ.  
*Differential, age-dependent MEK-ERK and PI3K-Akt activation by insulin acting as a survival factor during embryonic retinal development.*  
Developmental Neuroscience 67:1777-1788, **2007**. M. FERNÁNDEZ, M.F.
- Fernández M, Segura MF, Solé C, Colino A, Comella JX, Ceña V.  
*Lifeguard/Neuronal Membrane Protein 35 regulates Fas-mediated apoptosis in neurons via microdomain recruitment.*  
Journal of Neurochemistry 103:190-203, **2007**.
- Moumen A, Ieraci A, Patané S, Solé C, Comella JX, Dono R, Maina F.  
*Met signals hepatocyte survival by preventing Fas-triggered FLIP degradation in a PI3K dependent manner.*  
Hepatology. 45:1210-1217, **2007**.
- Gomez-Lazaro M, Galindo MF, Melero-Fernandez de Mera RM, Fernandez-Gómez FJ, Concannon CG, Segura MF, Comella JX, Prehn JH, Jordan J.  
*Reactive oxygen species and p38 MAPK activate Bax to induce mitochondrial cytochrome c release and apoptosis in response to malonate.*  
Molecular Pharmacology 71:736-743, **2007**.
- Simó S, Pujadas L, Segura MF, La Torre A, Del Río JA, Ureña JM, Comella JX, Soriano E.  
*Reelin induces the detachment of subventricular zone cells and the expression of the Egr-1 transcription factor through the activation of Erk1/2.*  
Cerebral Cortex 17:294-303, **2007**.
- Simó S, Pujadas L, Segura MF, La Torre A, Del Río JA, Ureña JM, Comella JX, Soriano E.  
*Switch from caspase-dependent to -independent death during heart development: Essential role of EndoG in ischemia-induced DNA processing of differentiated cardiomyocytes.*  
Journal of Biological Chemistry 281:22943-22952, **2006**.
- Dolcet X, Llobet D, Encinas M, Pallares J, Cabero A, Schoenenberger JA, Comella JX, Matias-Guiu X.  
*Proteasome inhibitors induce death but activate NF- $\kappa$ B on endometrial carcinoma cell lines and primary culture explants.*  
Journal of Biological Chemistry 281: 22118-22130, **2006**.

- Mayorga ME, Sanchis D, Perez de Santos AM, Velasco A, Dolcet X, Casanova JM, Baradad M, Egido R, Pallares J, Espurz N, Benitez D, Mila J, Malveyh J, Castel T, Comella JX, Matias-Guiu X, Vilella R, Marti RM.  
*Antiproliferative effect of STI571 on cultured human cutaneous melanoma-derived cell lines.*  
Melanoma Research 16:127-135, **2006**.
- Benito-Gutiérrez E, Garcia-Fernández J, Comella JX.  
*Origin and evolution of the Trk family of neurotrophic receptors.*  
Molecular and Cellular Neuroscience 31:179-192, **2006**.
- Benito-Gutiérrez E, Illas M, Comella JX, Garcia-Fernández J.  
*Outlining the nascent nervous system of Branchiostoma floridae (amphioxus) by the panneural marker AmphiElav.*  
Brain Research Bulletin. 66:518-521, **2005**.
- Yuste VJ, Sánchez-López I, Solé C, Moubarak RS, Bayascas JR, Dolcet X, Encinas M, Susin SA, Comella JX.  
*The contribution of apoptosis inducing factor, caspase-activated DNase, and inhibitor of caspase-activated DNase to the nuclear phenotype and DNA degradation during apoptosis.*  
Journal of Biological Chemistry. 42, 35670-35683, **2005**.
- Dolcet X, Llobet D, Pallares J, Rue M, Comella JX, Matias-Guiu X.  
*Flip is frequently expressed in endometrial carcinoma and has a role in resistance to trail-induced apoptosis.*  
Laboratory Investigation. 85:885-894, **2005**.
- Benito-Gutiérrez E, Nake C, Llovera M, Comella JX, Garcia-Fernández J.  
*The single AmphiTrk receptor highlights increased complexity of neurotrophin signalling in vertebrates, and suggests an early role in developing sensory neuroepidermal cell.*  
Development. 132:2191-2202, **2005**.
- Fernandez-Gomez FJ, Galindo MF, Gómez-Lázaro M, Yuste VJ, Comella JX, Aguirre N, Jordán J.  
*Malonate induces cell death via mitochondrial potential collapse and delayed swelling through a ROS-dependent pathway.*  
British Journal of Pharmacology 144:528-537, **2005**.