Fecha del CVA	13/07/2020

Parte A. DATOS PERSONALES

Nombre y Apellidos	Slaven Erceg Vukicevic		
DNI/NIE/Pasaporte		Edad	
Núm. identificación del investigador	Researcher ID		
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A.1. Situación profesional actual

Organismo	Centro de Investigación Príncipe Felipe		
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Categoría profesional	Investigador Principal	Fecha inicio	2015
Espec. cód. UNESCO	240700 - Biología celular; 249000 - Neurociencias		
Palabras clave	Mecanismos moleculares de enfermedad; Animales de laboratorio; Cultivo celular; Biología aplicada; Biología celular; Selección genética; Terapia génica		

A.2. Formación académica (titulo, institución, fecha)

Licenciatura/Grado/Doctorado	Universidad	Año
Licenciado en Biología Opción Biología Celular y Molecular	Universidad de Belgrado	1995
Programa Oficial de Doctorado en Inmunología	Universitat de València	

A.3. Indicadores generales de calidad de la producción científica

Resultados encontrados:77 Total de veces citado:1495
Total de veces citado sin citas propias:1409Artículos en que se cita:1186
Artículos totales en que se cita sin citas propias **[?]** :1151 Promedio de citas por elemento:26.70h-index :30

Parte B. RESUMEN LIBRE DEL CURRÍCULUM

Parte C. MÉRITOS MÁS RELEVANTES (ordenados por tipología)

C.1. Publicaciones

1 **Artículo científico**. Artero Castro A; et al. 2020. Glaucoma as a Neurodegenerative Disease Caused by Intrinsic Vulnerability Factors Progress in Neurobiology. pp.101817.
2 **Artículo científico**. Lukovic D; et al. 2020. Retinal Organoids derived from hiPSCs of an AIPL1-LCA Patient Maintain Cytoarchitecture despite Reduced levels of Mutant AIPL1.Scientific Reports. 10-1, pp.5426.
3 **Artículo científico**. Rodriguez-Jimenez FJ; et al. 2019. Organized Neurogenic-Niche-Like Pinwheel Structures Discovered in Spinal Cord Tissue-Derived Neurospheres Frontiers in Cell and Developmental Biology. 20-7, pp.334.
4 **Artículo científico**. Kaya KD; et al. 2019. Transcriptome-based Molecular Staging of Human Stem Cell-Derived Retinal Organoids Uncovers Accelerated Photoreceptor Differentiation by 9-cis Retinal Molecular Vision. 25, pp.663-678.
5 **Artículo científico**. Erceg S; et al. 2019. Assessment of Toxic Effects of Ochratoxin A in Human Embryonic Stem Cells.Toxins. 10-11, pp.4.
6 **Artículo científico**. Artero Castro A; et al. 2019. Deciphering Retinal Diseases through the Generation of Three Dimensional Stem Cell-derived Organoids Stem Cells. in press.

7 **Artículo científico**. Bolinches-Amoros A; et al. 2019. Generation of an iPSC line from a retinitis pigmentosa patient carrying a homozygous mutation in CERKL and a healthy sibling.Stem Cell Research. 38, pp.101455.
8 **Artículo científico**. Artero Castro A; et al. 2019. Generation of gene-corrected human induced pluripotent stem cell lines derived from retinitis pigmentosa patient with Ser331Cysfs*5 mutation in MERTK Stem Cell Research. 34, pp.101341.
9 **Artículo científico**. Artero Castro A; et al. 2019. Short Review: Investigating ARSACS: models for understanding cerebellar degeneration.Neuropathol Appl Neurobiol. 45-6, pp.531-537.
10 **Artículo científico**. Artero Castro A; et al. 2019. The identification of small molecules that stimulate retinal pigment epithelial cells: potential novel therapeutic options for treating retinopathies Expert Opin Drug Discov. 14-2, pp.169-177.
11 **Artículo científico**. Alastrue-Agudo A; et al. 2018. . FM19G11 and Ependymal Progenitor/Stem Cell Combinatory Treatment Enhances Neuronal Preservation and Oligodendrogenesis after Severe Spinal Cord Injury.International Journal of Molecular science. in press.
12 **Artículo científico**. Lukovic D; et al. 2018. . Generation of a human iPSC line from a patient with Leber congenital amaurosis caused by mutation in AIPL1 Stem Cell Research. 33, pp.151-153.
13 **Artículo científico**. Artero Castro A; et al. 2018. Generation of a human iPSC line by mRNA reprogramming Stem Cell Research. 28, pp.157-160.
14 **Artículo científico**. Machuca C; et al. 2018. Generation of a human iPSC line from a patient with Autosomal recessive spastic ataxia of Charlevoix-Saguenay (ARSACS) caused by mutation in SACSIN gene Stem Cell Research. 31, pp.249-252.
15 **Artículo científico**. Bolinches-Amorós A; et al. 2018. Generation of a human iPSC line from a patient with congenital glaucoma caused by mutation in CYP1B1 gene Stem Cell Research. in press.
16 **Artículo científico**. Machuca C; et al. 2018. Generation of human induced pluripotent stem cell (iPSC) line from an unaffected female carrier of mutation in SACSIN gene.33, pp.166-170.
17 **Artículo científico**. Artero Castro A; et al. 2018. Human induced pluripotent stem cell models of retinitis pigmentosa Stem Cells. in press.
18 **Artículo científico**. Lukovic D; et al. 2017. Generation of a human iPSC line from a patient with retinitis pigmentosa caused by mutation in PRPF8 gene Stem Cell Research. 21, pp.23-25.
19 **Artículo científico**. Lukovic D; et al. 2017. Highly Efficient Neural Conversion of Human Pluripotent Stem Cells in Adherent and Animal-Free Conditions.Stem Cells Translational Medicine. 6-4, pp.1217-1226.
20 **Artículo científico**. Volarevic V; et al. 2017. Stem Cell-Based Therapy in Transplantation and Immune-Mediated Diseases Stem Cell International. 2017-7379136, pp.7379136-7379136.
21 **Artículo científico**. Lukovic D; et al. 2017. hiPSC disease modeling of rare hereditary cerebellar ataxias: Opportunities and future challenges.Neuroscientist. in press.
22 **Artículo científico**. Alastrue A; et al. 2016. Connexin 50 modulates Sox2 expression in spinal-cord-derived ependymal stem/progenitor cells.Cell Tissue Res.365(2):295-307-2, pp.295-307.
23 **Artículo científico**. Jendelova P; et al. 2016. Current developments in cell- and biomaterial-based approaches for stroke repair Expert Opinion Biological Therapy. 16-1, pp.43-45.
24 **Artículo científico**. Lukovic D; et al. 2015. Complete rat spinal cord transection as a faithful model of spinal cord injury for translational cell transplantation Scientific Reports. 5, pp.9640.
25 **Artículo científico**. LukovicD; et al. 2015. Concise Reviews: Reactive Astrocytes and Stem Cells in Spinal Cord Injury: Good Guys or Bad Guys? Stem Cells. Willey. in press, pp.in press.
26 **Artículo científico**. Lukovic D; et al. 2015. Human iPSC derived disease model of MERTK-associated retinitis pigmentosa Scientific Reports. 11-5, pp.12910.

27 **Artículo científico**. Erceg S; et al. 2014. Experimental Cell Transplantation for Traumatic Spinal Cord Injury Regeneration: Intramedullar or Intrathecal administration Methods in Molecular Biology. 1210:23-35, pp.23-35.
28 **Artículo científico**. Lukovic D; et al. 2014. Non-coding RNAs in pluripotency and neural differentiation of human pluripotent stem cells.Frontiers in System Biology. 14-5, pp.132.
29 **Artículo científico**. Dunja Lukovic; et al. 2014. Perspectives and Future Directions of Human Pluripotent Stem Cell-Based Therapies: Lessons from Geron's Clinical Trial for Spinal Cord Injury Stem Cells Development. Elsevier. 23-1, pp.1-4.
30 **Artículo científico**. Lukovic D; et al. 2013. Astrogliosis promotes functional recovery of completely transected spinal cord following transplantation of hESC-derived oligodendrocyte and motoneuron progenitors Stem Cells. Elsevier. pp.in press-in press.
31 **Artículo científico**. Garita-Hernandez M; et al. 2013. Hypoxia increases the yield of photoreceptors differentiating from mouse embryonic stem cells and improves the modeling of retinogenesis in vitro Stem Cells. Elsevier. 31-5, pp.966-967.
32 **Artículo científico**. Valdés Sanchez T; et al. 2013. Methacrylate-endcapped caprolactone and FM19G11 provide a proper niche for spinal cord-derived neural cells J Tissue Eng Regen Med.
33 **Artículo científico**. Volarevic V; et al. 2013. Stem cell based therapy for spinal cord injury Cell Transplantation. Cognizant Communication Corporation Isevier. 22(8):1309-23-8, pp.1309-1323.
34 **Artículo científico**. Lukovic D; et al. 2012. Human pluripotent stem cells in the treatment of spinal cord injury Stem Cells. Elsevier. 30-9, pp.1787-1792.
35 **Artículo científico**. Erceg S; et al. 2011. Stem cells for the treatment of cerebellar related disorders Stem Cells. Elsevier. 29-4, pp.564-569.
36 **Artículo científico**. Guerri C; et al. 2011. Neural differentiation from human embryonic stem cells as a tool to study early brain development and the neuroteratogenic effects of ethanol Stem Cell Development. Mary Ann Liebert. 20-2, pp.327-339.
37 **Artículo científico**. Corresponding author; et al. 2010. Efficient differentiation of human embryonic stem cells into functional cerebellar-like cells Stem Cell Development. Marry Ann Liebert. 19-11, pp.1745-1756.
38 **Artículo científico**. Erceg S; et al. 2010. Transplanted oligodendrocytes and motoneuron progenitors generated from human embryonic stem cells promote locomotor recovery after complete transection of spinal cord injury.Stem Cells. Elsevier. 28-9, pp.1541-1549.
39 **Artículo científico**. Ronaghi M; et al. 2010. Challenges of Stem Cell Therapy for Spinal Cord Injury: Human Embryonic Stem Cells, Endogenous Neural Stem Cells or Induced Pluripotent Stem Cells? Stem Cells. Elsevier. 28-193-9, pp.93-99.
40 **Artículo científico**. Moreno-Manzano V; et al. 2009. Activated spinal cord ependymal stem cells rescue neurological function Stem Cells. elsevier. 27-3, pp.733-743.
41 **Artículo científico**. Erceg S; Ronaghi M; Stojkovic M. 2009. Human embryonic stem cell differentiation toward regional specific neural precursors Stem Cells. Elsevier. 27-1, pp.78-87.
42 **Artículo científico**. Erceg S; et al. 2008. Differentiation of human embryonic stem cells to regional specific neural precursors in chemically defined medium conditions PLOS ONE. 7-3(5), pp.e2122.
43 **Artículo científico**. Piedrafila B; et al. 2008. Developmental exposure to polychlorinated biphenyls PCB153 or PCB126 impairs learning ability in young but not in adult rats.European Journal of Neuroscience. 27, pp.177-182.
44 **Artículo científico**. Erceg, S.; et al. 2005. Restoration of learning ability in hyperammonemic rats by increasing extracellular cGMP in brain Brain Research. 1036-1-2, pp.115-121.
45 **Artículo científico**. Erceg, S.; et al. 2005. Oral administration of Sildenafil restores learning ability in rats with hyperammonemia and with portacaval shunt.Hepatology. 41-2, pp.299-306.
46 **Capítulo de libro**. Slaven Erceg; Miodrag Stojkovic. 2012. Treatment of Cerebellar Ataxias: Transplantation of Human Embryonic Stem Cells In Stem Cells and Cancer Stem Cells. Springer. 7.

C.2. Proyectos

1 Estudio preclínico de potencial regenerativo de astrocitos derivados de células madre en tratamiento de lesión medular en ratón (Instituto de Salud Carlos III). 01/01/2019-31/12/2021. 130.000 €.
2 CORRET: Cell therapy with genetically corrected retinal pigment epithelium in hereditary retinal dystrophies Slaven Erceg Valencia. (Centro de Investigación Príncipe Felipe). 01/06/2017-31/05/2018. 40.000 €.
3 Dissecting protein trafficking in retinal neurodegeneration by super-resolution imaging on animal models and human iPSCs FUNDACIO MARATO TV3. Slaven Erceg Vukicevic. (Centro de Investigación Príncipe Felipe). 01/01/2015-31/12/2017. 100.000 €.
4 Estudio preclinico de terapia celular con progenitores neurales derivados de hESC e ihPSC combinado con modulación de astrogliosis en tratamiento de lesiones medulares Instituto de Salud Carlos III. Slaven Erceg. (Centro de Investigación Príncipe Felipe). 01/01/2015-31/12/2017. 116.000 €.
5 Pharmacological screening for phagocytosis in Retinal pigment epithelium cells derived from patients with Retinitis pigmentosa (Centro de Investigación Príncipe Felipe). 01/09/2016-31/08/2017. 20.000 €.
6 Modulation of reactive astrocytes upon cell transplantation of hESC and ihPSC derived neural progenitors as a strategy for development of new treatments for spinal cord injury FOUNDATION WINGS FOR LIFE. (Centro de Investigación Príncipe Felipe). 07/09/2014-06/09/2016. 146.000 €.
7 Cerebellar cells derived from induced pluripotent stem cells in 3D culture generated from ARSACS patients as faithful disease model (Centro de Investigación Príncipe Felipe). 01/09/2015-01/09/2016. 80.000 €.
8 Analisis comparativo del potencial regenerativo de progenitores neurales derivados de hESC, iPS en el modelo de rata de daño de medula espina Instituto de Salud Carlos III. Slaven Erceg. (Centro Andaluz de Biología Molecular y Medicina Regenerativa). 01/01/2011-31/12/2013. 120.000 €.
9 PI-0113-2010, Comparative analysis of regenerative potential of neural progenitors derived from hESC, ihPSC and pHESC in adherent and animal-free conditions in rat model of spinal cord injury Junta Andalucia, Consejeria de Salud. Consejeria de Salud. Slaven Erceg. (Centro Andaluz de Biología Molecular y Medicina Regenerativa). 2011-2013. 57.000 €. Coordinador.
10 The use of stem cell derived neural progenitors in cell replacement therapy for spinal cord injury. Human embryonic stem cells derived progenitors vs. adult ependymal stem cells Ministerio de Ciencia e Innovación. Plan Nacional. Miodrag Stojkovic. (Centro de Investigación Príncipe Felipe). 2007-2010. 218.000 €. Coordinador.

C.3. Contratos

C.4. Patentes