



CV ENRIQUE HILARIO

CURRENT POSITION

Dean of the School of Medicine and Associate Professor in the Cell Biology and Histology Department of the University of the Basque Country (UPV/EHU).

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PERSONAL INFORMATION

Name: Enrique HILARIO RODRIGUEZ

Identification number: 14701283M

Date of birth: 13th March 1954

Place of birth: Spain

EDUCATION

- **Doctor Honoris Causa.** Universidad Nacional de Asunción, Paraguay. , 4th July 2012
- **PhD in Medicine and Surgery.** University of the Basque Country (UPV/EHU). 11st December 1984. Cum Laude.
- **Medical Specialist in Pathology.** University of Valladolid, 6th May 1981.
- **Bachelor in Medicine.** University of the Basque Country (UPV/EHU). 14th July 1980.
- **Bachelor in Medicine and Surgery.** University of the Basque Country (UPV/EHU). September 1971-June 1977.

PRINCIPAL EMPLOYMENT

Associate Professor Cell Biology and Histology Department of the Faculty of Medicine in the University of the Basque Country. 31st January 1994-present.

Visiting Professor “Ad Honorem” Polytechnic School. Universidad Nacional de Asunción, Paraguay. 13th June 2011-present.

Certification of Full Professor by ANECA (The National Agency for Quality Assessment and Accreditation of Spain). 27th September 2012.

OTHERS

Ordinary Member , and Treasurer, of the Royal Academic of Medicine of the Basque Country 31th October 2014.

RECENT PUBLICATIONS (2011-2016)

RESEARCH ARTICLES

Miren Revuelta; Olatz Arteaga; Haitzea Montalvo; Antonia Alvarez; **Enrique Hilario**; Agustin Martinez-Ibargüen. Antioxidant treatments recover the alteration of auditory evoked potentials and reduce morphological damage in the inferior colliculus after perinatal asphyxia in rat. *Brain Pathology*. 26, pp. 186 - 198. 2016.

Miren Revuelta; Olatz Arteaga; Antonia Alvarez; Agustin Martinez-Ibargüen; **Enrique Hilario**. Characterization of gene expression in the rat brainstem after neonatal hypoxic-ischemic injury and antioxidant treatment. *Molecular Neurobiology*. [Epub ahead of print, 2016]

Olatz Arteaga; Miren Revuelta; Leire Urigüen; Haitzea Montalvo; Antonia Alvarez; **Enrique Hilario**. Pretreatment with resveratrol prevents neuronal injury and cognitive deficits induced by perinatal hypoxia-ischemia in rats. *PLoS One*. Nov 6;10(11):e014242, 2015.

Agustin Martinez-Ibargüen; Francisco Jose Alvarez; Miren Revuelta; Francisco Santaolalla; Antonia Alvarez; Hector Lafuente; Olatz Arteaga; Daniel Alonso_Alconada; Ana Sanchez-del-Rey; **Enrique Hilario**. Effect of Neonatal Asphyxia on the Impairment of the Auditory Pathway by Recording Auditory Brainstem Responses in Newborn Piglets: A New Experimentation Model to Study the Perinatal Hypoxic-Ischemic Damage on the Auditory System. *PLoS One*. May 26;10(5):e012688, 2015.

Pedro Galvan; Virgilio Cane; Margarita Samudio; Angela Cabello; Margarita Cabral; Xabier Basogain; Raul Rivas; **Enrique Hilario**. Implementation of a community tele-epidemiological surveillance system using information and communication technologies in Paraguay. *Revista Panamericana Salud Publica*. 35 - 5-6, pp. 353 - 358. 2014.

Pedro Galvan; Graciela Velazquez; Gerardo Benitez; Antonio Barrios; **Enrique Hilario**. Perspectivas de un Sistema de Telemedicina en la Salud Pública del Paraguay. Estudio Piloto. *Revista Salud Pública Paraguaya*. 24, pp. 9 - 15. 2014.

Pedro Galvan; Virgilio Cane; Margarita Samudio; Margarita Cabral; Angela Cabello; Xabier Basogain; Raul Rivas; **Enrique Hilario**. Improving communities epidemiological surveillance system in Paraguay through information and communication technologies. *International Journal of Engineering and Applied Sciences (EAAS)*. 4 - 2, 2013. ISSN 2305-8269

Daniel Alonso Alconada; **Enrique Hilario Rodriguez**; Francisco Jose Alvarez Diaz; Antonia Alvarez Diaz. Apoptotic cell death correlates with ROS over-production and early cytokine expression after hypoxia-ischemia in fetal lambs. *Reproductive Sciences*. 19, pp. 754 - 763. 2012.

Idoia Lara Celador; Lourdes Castro Ortega; Antonia Alvarez Diaz; Felipe Goñi de Cerio; Jaione Lacalle Prieto; **Enrique Hilario Rodriguez**. Endocannabinoids reduces cerebral damage after hypoxic-ischemic injury in perinatal rats. *Brain Research*. 1474, pp. 91 - 99. 2012.

Daniel Alonso Alconada; Antonia Alvarez Diaz; Jaione Lacalle Prieto; **Enrique Hilario Rodriguez**. Histology and Histopathology. Histological study of the protective effect of melatonin on neural cells after neonatal hypoxia-ischemia. *27*, pp. 771 - 783. 2012.

Felipe Goñi de Cerio; Antonia Alvarez Diaz; Idoia Lara Celador; Francisco Jose Alvarez Diaz; Daniel Alonso Alconada; **Enrique Hilario Rodriguez**. *Journal Neuroscience Research*. Magnesium sulfate treatment decreases the initial brain damage alterations produced after perinatal asphyxia in fetal lambs. 90, pp. 1932 - 1940. 2012.

Daniel Alonso Alconada; Antonia Alvarez Diaz; Francisco Jose Alvarez Diaz; Jose Martinez Orgado; **Enrique Hilario Rodriguez**. The cannabinoid WIN 55212-2 mitigates apoptosis and mitochondrial dysfunction after hypoxia ischemia. *Neurochem Research*. 37, pp. 161 - 170. 2012.

Silvia Carloni; Daniel Alonso Alconada; Silvia Girelli; Antoni Duranti; Alberto Tontini; Dario Piomelli; **Enrique Hilario Rodriguez**; Antonia Alvarez Diaz; Walter Balduini. The monoacylglycerol lipase inhibitor urb602 protects from the long-term consequences of a neonatal hypoxic-ischemic brain injury in rats. *Pediatric Research*. 72, pp. 400 - 406. 2012.

Hector Lafuente; Francisco Jose Alvarez; Miguel Pazos; Antonia Alvarez; MariCarmen Rey-Santano; Victoria Mielgo; Xabier Murgia-Esteve; **Enrique Hilario**. Cannabidiol reduces brain damage and improves functional recovery after acute hypoxia-ischemia in newborn pigs. *Pediatric Research*. 70 - 70, pp. 272 - 277. 2011.

MariCarmen Rey Santano; Victoria Mielgo; Xabier Murgia; Elena Gastiasoro Cuesta; Hector Lafuente; Enrique Ruiz del Yerro; Adolfo Valls i Soler; **Enrique Hilario Rodriguez**; Francisco Jose Alvarez Diaz. Early cerebral hemodynamic, metabolic and histological changes in hypoxic-ischemic fetal lambs during postnatal life. *Frontiers in Neuroscience*. 5, pp. 5 - 12. 2011.

REVIEWS

Angela Dominguez; Antonia Alvarez Diaz; **Enrique Hilario Rodriguez**; Begoña Suarez Merino; Felipe Goñi de Cerio. Central nervous system diseases and the role of the blood-brain barrier in their treatment. *Neuroscience Discovery*. <http://www.hoajonline> - doi: 10.7243/2052-69, 2013.

Daniel Alonso Alconada; Antonia Alvarez Diaz; Olatz Arteaga Cabeza; Agustin Martinez Ibarguen; **Enrique Hilario Rodriguez**. Neuroprotective effect of melatonin: a novel therapy against perinatal hypoxia-ischemia. *International Journal Molecular Science*. 14 - 5, pp. 9379 - 9395. 2013.

Felipe Goñi de Cerio; Idoia Lara Celador; Antonia Alvarez Diaz; **Enrique Hilario Rodriguez**. Neuroprotective therapies after perinatal hypoxic-ischemic brain injury. *Brain Science*. 3, pp. 191 - 214. 2013.

Idoia Lara Celador; Felipe Goñi de Cerio; Antonia Alvarez Diaz; Enrique **Hilario Rodriguez**. Using the endocannabinoid system as a neuroprotective strategy in perinatal hypoxic-ischemic brain injury. *Neural Regeneration Research*. 8, pp. 731 - 744. 2013.

Gascon Ibarretxe; Antonia Alvarez Diaz; MariaLuz Cañavate Escribano; **Enrique Hilario Rodriguez**; Maitane Aurrekoetxea; Fernando Unda Rodriguez. Cell reprogramming, IPS limitations and overcoming strategies in dental bioengineering. *Stem Cell International*. doi: 10.1155/2012/36, 2012.

Daniel Alonso Alconada; Antonia Alvarez Diaz; **Enrique Hilario Rodriguez**. Cannabinoids as a neuroprotective strategy in perinatal hypoxic-ischemic injury. *Neuroscience Bulletin*. 27, pp. 275 - 285. 2011.

Daniel Alonso Alconada; Antonia Alvarez Diaz; Lino Alvarez Granda; **Enrique Hilario Rodriguez**. Potencial terapéutico del sistema endocannabinoide en la asfixia perinatal. *Revista de Neurología*. 53, pp. 758 - 764. 2011.

BOOK CHAPTERS

Revuelta M, Arteaga O, Avalos N, Santaolalla F, Alvarez A, **Hilario E** and Martinez-Ibarguen A Short review of inner hair cell regeneration.. *Updates in Histology*. Congreso de la Sociedad Española de Histología e Ingeniería Tisular - VI International Congress of Histology and Tissue Engineering. ISBN: 978-84-608-4820-2. (18-21). 2015.

Arteaga Cabeza O, Revuelta Aramberri, M, Álvarez Díaz A, Urigüen Echevarria L and **Hilario Rodriguez E**. Long-term memory impairments in neonatal rat brain after hypoxic-ischemic injury. *Updates in Histology*. Congreso de la Sociedad Española de Histología e Ingeniería Tisular - VI International Congress of Histology and Tissue Engineering. ISBN: 978-84-608-4820-2. (1-4). 2015.

Revuelta M, Arteaga O, Martínez-Ibargüen A, **Hilario E**, Alvarez A. Hipoxia-iskemiaren kalteak arratoien entzumen sisteman eta behe kolikuluko neuronetan eta antioxidatzaileen eragin onuragarriak. I. Ikergazte Nazioarteko ikerketa euskaraz, Kongresuko artikulu-bilduma, Ikergazte 2015, the First Conference For Basque Researchers. Udako Euskal Unibertsitatea. ISBN: 978-84-8438-540-0. (768-775). 2015.

Arteaga O, Revuelta M, Urigüen L, Álvarez A and **Hilario E**. Antioxidatzaileek hipoxia-iskemiak eragindako burmuin-kaltea murrizten dute, epe luzeko ikasketa eta memoria hobetuz. I. Ikergazte Nazioarteko ikerketa euskaraz, Kongresuko artikulu-bilduma, Ikergazte 2015, the First Conference For Basque Researchers. Udako Euskal Unibertsitatea. ISBN: 978-84-8438-540-0.(716-723). 2015.

O. Arteaga, M. Revuelta, H. Montalvo, Alonso-Alconada D, M.L. Cañavate, A. Martínez-Ibargüen, **E. Hilario** and A. Álvarez. Neuroprotective effect of antioxidants in neonatal rat brain after hypoxia-ischemia. Microscopy: advances in scientific research and education (Microscopy Book Series). 2014.

M. Revuelta, A. Álvarez, O. Arteaga, H. Montalvo, Alonso-Alconada D, M.L. Cañavate, **E. Hilario** and A. Martínez-Ibargüen. Correlation between auditory threshold and the auditory brainstem response (ABR) in rats. A possibility for the experimental study of the auditory impairments. Microscopy: advances in scientific research and education (Microscopy Book Series). 2014.

M.L. Cañavate, O. Arteaga, M. Revuelta, H. Montalvo,, A. Martínez-Ibargüen, **E. Hilario** and A. Álvarez. Regulation of central nervous system through cytokines immune system signals. Microscopy: advances in scientific research and education (Microscopy Book Series). 2014.