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BOLETÍN MENSUAL DE DIVULGACIÓN DE INFORMACIÓN DEL CRE DISCAPACIDAD Y DEPENDENCIA, IMSERSO

Boletín
mensual de
divulgación de
información
sobre
investigaciones,
publicaciones y
avances
científicos
relacionados
con la
discapacidad

Noviembre
2022



Recopilación de nuevas investigaciones, publicaciones y avances sobre:

Discapacidad.

- ✓ Towards a more cognitive evaluation of progressive aphasia?

Antoine Renard, Jean-Marie Annoni

DOI: <https://doi.org/10.1093/braincomms/fcac268>

Artículo de la revista BMC Neurology

- ✓ Efficacy of early interventions with active parent implementation in low- and-Middle income countries for young children with cerebral palsy to improve child development and parent mental health outcomes: a systematic review

Nataya Branjerdporn, Katherine Benfer, Emma Crawford, Jenny Ziviani, Roslyn N. Boyd & Leanne Sakzewski.

DOI: <https://doi.org/10.1080/09638288.2021.1989063>

Artículo de la revista Disability and Rehabilitation.

- ✓ The neurons that restore walking after paralysis

Claudia Kathe, Michael A. Skinnider, Thomas H. Hutson, Nicola Regazzi, Matthieu Gautier, Robin Demesmaeker, Salif Komi, Steven Ceto, Nicholas D. James, Newton Cho, Laetitia Baud, Katia Galan, Kaya J. E. Matson, Andreas Rowald, Kyungjin Kim, Ruijia Wang, Karen Minassian, John O. Prior, Leonie Asboth, Quentin Barraud, Stéphanie P. Lacour, Ariel J. Levine, Fabien Wagner, Jocelyne Bloch, Jordan W. Squair & Grégoire Courtine

DOI: <https://doi.org/10.1038/s41586-022-05385-7>

Artículo de la revista Nature

- ✓ Night vision restored in days after decades of congenital blindness



Samuel G.Jacobson, Artur V.Cideciyan, Allen C.Ho, Alejandro J.Roman, VivianWu, Alexandra V.Garafalo, Alexander Sumaroka, Arun K.Krishnan, MalgorzataS wider, Abraham A.Mascio, Christine N.Kay, DanYoon, Kenji P.Fujita, Sanford L.Boye, Igor V.Peshenko, Alexander M.Dizhoor, Shannon E.Boye

DOI: <https://doi.org/10.1016/j.isci.2022.105274>

Artículo de la revista iScience

✓ Is TGR5 a therapeutic target for the treatment of spinal cord injury?

Anna Smaling, Lorenzo Romero-Ramírez, Jörg Mey

DOI: <https://doi.org/10.1111/jnc.15727>

Artículo de la revista Journal of Neurochemistry

✓ Therapists' perspectives on using brain-computer interface-triggered functional electrical stimulation therapy for individuals living with upper extremity paralysis: a qualitative case series study.

Hope Jarvis-Rademeyer, Kenneth Ong, Alexander Djuric, Sarah Munce, Kristin E. Musselman & Cesar Marquez-Chin

DOI: <https://doi.org/10.1186/s12984-022-01107-2>

Artículo de la revista Journal of NeuroEngineering and Rehabilitation

✓ Automated patient-robot assignment for a robotic rehabilitation gym: a simplified simulation model.

Benjamin A. Miller, Bikranta Adhikari, Chao Jiang & Vesna D. Novak.

DOI: <https://doi.org/10.1186/s12984-022-01105-4>

Artículo de la revista Journal of NeuroEngineering and Rehabilitation

✓ Limb accelerations during sleep are related to measures of strength, sensation, and spasticity among individuals with spinal cord injury.

Stephanie K. Rigot, Michael L. Boninger, Dan Ding, Jennifer L. Collinger, Brad E. Dicianno & Lynn A. Worobey.

DOI: <https://doi.org/10.1186/s12984-022-01090-8>

Artículo de la revista Journal of NeuroEngineering and Rehabilitation

✓ A framework for clinical utilization of robotic exoskeletons in rehabilitation.



Kristen Hohl, Matt Giffhorn, Steven Jackson & Arun Jayaraman

DOI: <https://doi.org/10.1186/s12984-022-01083-7>

Artículo de la revista Journal of NeuroEngineering and Rehabilitation

Enfermedad de Huntington.

- ✓ Longitudinal evaluation of proton magnetic resonance spectroscopy metabolites as biomarkers in Huntington's disease

Alexander J Lowe, Filipe B Rodrigues, Marzena Arridge, Enrico De Vita, Eileanoir B Johnson, Rachael I Scahill, Lauren M Byrne, Rosanna Tortelli, Amanda Heslegrave, Henrik Zetterberg, Edward J Wild

DOI: <https://doi.org/10.1093/braincomms/fcac258>

Artículo de la revista Brains Communications

- ✓ Neurofilament light-associated connectivity in young-adult Huntington's disease is related to neuronal genes.

Peter McColgan, Sarah Gregory, Paul Zeun, Angeliki Zarkali, Eileanoir B Johnson, Christopher Parker, Kate Fayer, Jessica Lowe, Akshay Nair, Carlos Estevez-Fraga, Marina Papoutsis, Hui Zhang, Rachael I Scahill, Sarah J Tabrizi, Geraint Rees.

DOI: <https://doi.org/10.1093/brain/awac227>

Artículo de la revista Brain.

- ✓ Neurochemical correlates of synapse density in a Huntington's disease mouse model

Nicole Zarate, Katherine Gundry, Dahyun Yu, Jordan Casby, Lynn E. Eberly, Gülin Öz, Rocio Gomez-Pastor

DOI: <https://doi.org/10.1111/jnc.15714>

Artículo de la revista JBC Journal of Biological Chemistry.

- ✓ An alternative splicing modulator decreases mutant HTT and improves the molecular fingerprint in Huntington's disease patient neurons.

Florian Krach, Judith Stemick, Tom Boerstler, Alexander Weiss, Ioannis Lingos, Stephanie Reischl, Holger Meixner, Sonja Ploetz, Michaela Farrell, Ute Hehr, Zacharias Kohl, Beate Winner & Juergen Winkler



DOI: <https://doi.org/10.1038/s41467-022-34419-x>
Artículo de la revista Nature Communications.

Enfermedad de Parkinson.

- ✓ GALC variants affect galactosylceramidase enzymatic activity and risk of Parkinson's disease.

Konstantin Senkevich, Cornelia E Zorca, Aliza Dworkind, Uladzislau Rudakou, Emma Somerville, Eric Yu, Alexey Ermolaev, Daria Nikanorova, Jamil Ahmad, Jennifer A Ruskey, Farnaz Asayesh, Dan Spiegelman, Stanley Fahn, Cheryl Waters, Oury Monchi, Yves Dauvilliers, Nicolas Dupré, Lior Greenbaum, Sharon Hassin-Baer, Francis P Grenn, Ming Sum Ruby Chiang, S Pablo Sardi, Benoît Vanderperre, Cornelis Blauwendraat, Jean-François Trempe, Edward A Fon, Thomas M Durcan, Roy N Alcalay, Ziv Gan-Or.

DOI: <https://doi.org/10.1093/brain/awac413>
Artículo de la revista Brain.

- ✓ Reversible Pisa syndrome caused by chronic subdural hematoma in a patient with Parkinson's disease: a case report

Eriko Igami, Motoki Fujimaki, Mai Shimizu, Yuta Ishiguro, Takuma Kodama, Yasuyuki Okuma, Nobutaka Hattori & Kazuyuki Noda.

DOI: <https://doi.org/10.1186/s12883-022-02972-z>
Artículo de la revista BMC Neurology

- ✓ Astrogliosis in aging and Parkinson's disease dementia: a new clinical study with 11C-BU99008 PET.

Mohamed A Mohamed, Zhou Zeng, Marta Gennaro, Nicholas P Lao-Kaim, Jim F M Myers, Valeria Calsolaro, Grazia Daniela Femminella, Robin J Tyacke, Antonio Martin-Bastida, Roger N Gunn, David J Nutt, Paul Edison, Paola Piccini, Andreas-Antonios Roussakis.

DOI: <https://doi.org/10.1093/braincomms/fcac199>
Artículo de la revista Brains Communications

- ✓ Analysis of Y chromosome haplogroups in Parkinson's disease



Francis P Grenn, Mary B Makarious, Sara Bandres-Ciga, Hirotaka Iwaki, Andrew B Singleton, Mike A Nalls, Cornelis Blauwendraat, The International Parkinson Disease Genomics Consortium (IPDGC)

DOI: <https://doi.org/10.1093/braincomms/fcac277>

Artículo de la revista Brains Communications

- ✓ Adjusting to living with Parkinson's disease; a meta-ethnography of qualitative research

Gina Wieringa, Maria Dale & Fiona J. R. Eccles.

DOI: <https://doi.org/10.1080/09638288.2021.1981467>

Artículo de la revista Disability and Rehabilitation.

- ✓ Dopaminergic medication normalizes aberrant cognitive control circuit signalling in Parkinson's disease.

Weidong Cai, Christina B Young, Rui Yuan, Byeongwook Lee, Sephira Ryman, Jeehyun Kim, Laurice Yang, Victor W Henderson, Kathleen L Poston, Vinod Menon.

DOI: <https://doi.org/10.1093/brain/awac007>

Artículo de la revista Brain.

- ✓ Effect of citronellol on oxidative stress, neuroinflammation and autophagy pathways in an in vivo model of Parkinson's disease

Richard L. Jayaraj, Sheikh Azimullah, Khatija A. Parekh, Shreesh K. Ojha, Rami Beiram.

DOI: <https://doi.org/10.1016/j.heliyon.2022.e11434>

Artículo de la revista Heliyon.

- ✓ Reproductive characteristics, use of exogenous hormones and Parkinson disease in women from the E3N study.

Giancarlo Pesce, Fanny Artaud, Emmanuel Roze, Isabelle Degaey, Berta Portugal, Thi Thu Ha Nguyen, Agnès Fournier, Marie-Christine Boutron-Ruault, Gianluca Severi, Alexis Elbaz, Marianne Canonico.

DOI: <https://doi.org/10.1093/brain/awac440>

Artículo de la revista Brain.

- ✓ The atypical Rab GTPase associated with Parkinson's disease, Rab29, is localized to membranes



Yuki Nagai-Ito, Lejia Xu, Kyohei Ito, Yotaro Kajihara, Genta Ito, Taisuke Tomit

DOI: <https://doi.org/10.1016/j.jbc.2022.102499>

Artículo de la revista JBC Journal of Biological Chemistry.

- ✓ Cerebrospinal fluid and blood profiles of transfer RNA fragments show age, sex, and Parkinson's disease-related changes.

Iddo Paldor, Nimrod Madrer, Shani Vaknine Treidel, Dana Shulman, David S. Greenberg, Hermona Soreq.

DOI: <https://doi.org/10.1111/jnc.15723>

Artículo de la revista JBC Journal of Biological Chemistry.

- ✓ Common features of neurodegenerative disease: exploring the brain-eye connection and beyond (part 2): the 2021 pre-symposium of the 15th international conference on Alzheimer's and Parkinson's diseases

Sharyn L. Rossi, Preeti Subramanian, Guojun Bu, Adriana Di Polo, Todd E. Golde & Diane E. Bovenkamp.

DOI: <https://doi.org/10.1186/s13024-022-00571-7>

Artículo de la revista Molecular Neurodegeneration

- ✓ Revisiting levodopa for advanced Parkinson's disease

Susan H Fox

DOI: [https://doi.org/10.1016/S1474-4422\(22\)00435-5](https://doi.org/10.1016/S1474-4422(22)00435-5)

Artículo de la revista The Lancet Neurology.

- ✓ Major advances in Parkinson's disease over the past two decades and future research directions

Jose A Obeso, Mariana H G Monje, Michele Matarazzo.

DOI: [https://doi.org/10.1016/S1474-4422\(22\)00448-3](https://doi.org/10.1016/S1474-4422(22)00448-3)

Artículo de la revista The Lancet Neurology.

Esclerosis Lateral Amiotrófica (ELA)

- ✓ Apolipoprotein B-100-mediated motor neuron degeneration in sporadic amyotrophic lateral sclerosis.



Jamie K Wong, Anna K Roselle, Taylor M Shue, Serena J E Shimshak, Joseph M Beaty, Nadia M Celestin, Ivy Gao, Rose P Griffin, Merit E Cudkowicz, Saud A Sadiq

DOI: <https://doi.org/10.1093/braincomms/fcac207>

Artículo de la revista Brains Communications

- ✓ Translation, cultural adaptation, and validation of a screening test for cognitive and behavioural changes in amyotrophic lateral sclerosis.

Tina Taule, Annbjørg Spilde Morland, Jörg Aßmus, Ole-Bjørn Tysnes & Tiina Rekand.

DOI: <https://doi.org/10.1080/09638288.2021.1980621>

Artículo de la revista Disability and Rehabilitation.

- ✓ T cell responses at diagnosis of amyotrophic lateral sclerosis predict disease progression

Solmaz Yazdani, Christina Seitz, Can Cui, Anikó Lovik, Lu Pan, Fredrik Piehl, Yudi Pawitan, Ulf Kläppe, Rayomand Press, Kristin Samuelsson, Li Yin, Trung Nghia Vu, Anne-Laure Joly, Lisa S. Westerberg, Björn Evertsson, Caroline Ingre, John Andersson & Fang Fang

DOI: <https://doi.org/10.1038/s41467-022-34526-9>

Artículo de la revista Nature Communications.

Esclerosis múltiple y otras enfermedades autoinmunes.

- ✓ Subjective Report, Objective Neurocognitive Performance, and “Invisible Symptoms” in Multiple Sclerosis.

Garrett A Thomas, Kaitlin E Riegler, Megan L Bradson, Dede U O’Shea, Peter A Arnett.

DOI: <https://doi.org/10.1093/arclin/acac086>

Artículo de la revista Archives of Clinical Neurophysiology.

- ✓ Self-reported work productivity in people with multiple sclerosis and its association with mental and physical health



Elianne E. A. van Egmond, Dennis A. M. van Gorp, Peter J. Jongen, Jac J. L. van der Klink, Michiel F. Reneman, Edo P. J. Arnoldus, Ernesto A. C. Beenakker, Jeroen J. J. van Eijk, Stephan T. F. M. Frequin, Oliver H. H. Gerlach, Gerald J. D. Hengstman, Johan W. B. Moll, Wim I. M. Verhagen, Huub A. M. Middelkoop, Leo H. Visser & Karin van der Hiele.

DOI: <https://doi.org/10.1080/09638288.2021.1981468>

Artículo de la revista Disability and Rehabilitation.

- ✓ Age and sex differences on anti-hyperglycemic medication exposure and risk of newly diagnosed multiple sclerosis in propensity score matched type 2 diabetics.

Gregory L. Branigan, Georgina Torrandell-Haro, Francesca Vitali, Roberta Diaz Brinton, Kathleen Rodgers

DOI: <https://doi.org/10.1016/j.heliyon.2022.e11196>

Artículo de la revista Heliyon.

- ✓ An antagonistic monoclonal anti-Plexin-B1 antibody exerts therapeutic effects in mouse models of postmenopausal osteoporosis and multiple sclerosis

Melanie Vogler, Arkadiusz Oleksy, Sabrina Schulze, Marina Fedorova, Baktybek Kojonazarov, Sharandip Nijjar, Seema Patel, Sian Jossi, Kovilen Sawmynaden, Maud Henry, Richard Brown, David Matthews, Stefan Offermanns, Thomas Worzfeld.

DOI: <https://doi.org/10.1016/j.jbc.2022.102265>

Artículo de la revista JBC Journal of Biological Chemistry.

- ✓ Ublituximab: a new anti-CD20 agent for multiple sclerosis

Jiwon Oh, Amit Bar-Or

DOI: [https://doi.org/10.1016/S1474-4422\(22\)00446-X](https://doi.org/10.1016/S1474-4422(22)00446-X)

Artículo de la revista The Lancet Neurology.



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