



3.5 Cancer and Human Molecular Genetics Area



Publications: **19** Impact Factor: **105.362** QI: **9**

Oto-Neurosurgery Research Group

Research Activity

Doctoral theses

Celaya Puértolas A. Papel del IGF-I en la protección frente a la pérdida auditiva inducida por el ruido [dissertation]. Madrid: UAM: 2018(12/11/2018).

Director: Varela Nieto I.

Moraleda Pérez S. Eficacia de la toxina botulínica en el tratamiento de la parálisis facial periférica. Comparación de diferentes escalas en la evaluación de la función facial [dissertation]. Madrid: UAM: 2018(30/11/2018).

Director: Lassaletta Atienza L.

Publications

- Anguita E, Villalobo A. Ca²⁺ signaling and Src-kinases-controlled cellular functions. Arch Biochem Biophys. 2018; 650: 59-74. Review. IF: 3.559; Q2
- Calvino M, Sánchez-Cuadrado I, Gavilán J, Lassaletta L. Cochlear implant users with otosclerosis: Are

hearing and quality of life outcomes worse than in cochlear implant users without otosclerosis? Audiol Neuro-Otol. 2018; 23(6): 345-55. Article. IF: 2.053; Q2

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- Castro A, del Río L, Gavilán J. Stratifying the risk of developing clinical hypocalcemia after thyroidectomy with parathyroid hormone. Otolaryng Head Neck. 2018; 158(1): 76-82. Article. IF: 2.31; Q2

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- García-Alcántara F, Murillo-Cuesta S, Pulido S, Bermúdez-Muñoz JM, Martínez-Vega R, Milo M, Varela-Nieto I, Rivera T. The expression of oxidative stress response genes is modulated by a combination of resveratrol and N-acetylcysteine to ameliorate ototoxicity in the rat cochlea. *Hearing Res.* 2018; 358: 10-21. Article. IF: 2.952; D1
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- Varela-Nieto I, Chowen JA, García-Segura LM. Editorial: Hormones and neural aging: Lessons from experimental models. *Front Aging Neurosci.* 2018; 10: 374. Editorial Material. IF: 3.633; Q2
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Public projects

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Management centre: FIBHULP

Murillo Cuesta S. Hearing loss due to mutations in an amino acid and thyroid hormone slc7 transporter: genetics, functional studies and cochlear thyroid status. (ER-18P5AC761/2018). CIBERER. 2018-2019.

Management centre: CIBERER

Rey Herranz JA. Contrato de estabilización Miguel Servet (I2). ISCIII/CAM. 2006-2019.

Management centre: FIBHULP

Varela Nieto I. Desarrollo de nuevas terapias para la prevención y tratamiento de la pérdida auditiva basadas en la identificación de parámetros genéticos, bioquímicos y moleculares (HEARCODE) (SAF2017-86107-R). Ministerio de Economía, Industria y Competitividad. 2018-2020.

Management centre: IIBm (CSIC)

Varela Nieto I. Imagen multimodal de la respuesta terapéutica a estrategias multidiana en enfermedades neurológicas (MULTITARGET&VIEWCM) (B2017/BMD-3688). CM. 2018-2021.

Management centre: IIBm (CSIC)

Private projects

Lassaletta Atienza L. análisis de las capacidades cognitivas en pacientes mayores con hipoacusia profunda con y sin implante coclear (ic): un estudio multicéntrico prospectivo, longitudinal y comparativo. Med-El Elektromedizinische Geräte Gesellschaft M.B.H. 2016-Ongoing.

Management centre: FIBHULP



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Lassaletta Atienza L. influencia de las estrategias de codificación y el uso de sistemas de apoyo en la percepción y uso del teléfono en pacientes adultos con implante coclear!. Med-El Elektromedizinische Geräte Gesellschaft M.B.H. 2011-Ongoing.

Managment centre: FIBHULP

Varela Nieto I. Nuevos tratamientos para la prevención y tratamiento de la hipoacusia. Spiral Therapeutics Inc. 2017-2020.

Managment centre: CIBERER

International projects

Murillo Cuesta S. Delivery of antisense RNA therapeutics (CA17103). EU Framework Programme Horizon 2020. 2018-2022.

Managment centre: IIBm (CSIC)

Varela Nieto I. Development of a european network for preclinical testing of interventions in mouse models of age and age-related diseases (MouseAGE) (BMI402). EU Framework Programme Horizon 2020. 2014-2018.

Managment centre: IIBm (CSIC)

Patents and trademarks

Polak M, Roca-Ribas Serdá F, Gavilán Bouzas J, Lassaletta Atienza L, Miró Castillo N, Rodrigo Dacosta J, inventors; MED-EL Elektromedizinische Geraete GmbH, assignee. Hearing treatment in patients with questionable cochlear nerve functionality. US2011275953, PCT/US2011/035312; 2010 May 05.

Cobo Parra P, Varela Nieto I, Murillo-Cuesta S, Navares Zaera R, Martínez Vega R, Cediell Algovia R, inventors; CSIC, UCM, assignees. Anechoic acoustic chamber for evaluating the auditory function in laboratory animals. P201031720; 2010 November 23.

Cobo Parra P, Varela Nieto I, Murillo-Cuesta S, Cediell Algovia R, inventors; CSIC, UCM, assignees. Method for designing a reverberating acoustic chamber for hearing test with animals. Procedimiento para diseñar una cámara acústica reverberante para ensayos auditivos con animales. P200802895, PCT/ES2009/070433; 2008 October 14.

