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Dr. **Nuria E. Campillo** received her Ph.D. from Autónoma of Madrid in 1997 under the supervision of Dr. J. Páez. After a postdoctoral appointment at Cambridge University (Prof. T. Blundell), she joined the Medicinal Chemistry Institute in 2001 (first, as Associate Researcher and since 2003 as Staff Scientist). Since april 2014, Dr. Campillo works in Centro de Investigaciones Biológicas (CIB-CSIC).

Her research interests are focused on the design, synthesis, and pharmacological evaluation of new compounds as potential drugs for neurodegenerative disorders and neglected disease. She is also interested in the use of artificial neural networks for the prediction of biological properties (activity, ADMET...). She is author of more than sixty scientific publications, and several active patents in the field.

RESEARCH AND PROFESSIONAL EXPERIENCE

1992-93: Degree in Organic Chemistry in the Universidad Autónoma de Madrid: Synthesis of Calix[4]arenes

1994-97: Predoctoral fellow financed by the Spanish pharmaceutical company, PRODEFARMA.

1998-1999: *Research Associate* (Biochemistry Department, U. Cambridge)

1999-2001: *Postdoctoral grant* (Formación perfeccionamiento de doctores en el extranjero. (Biochemistry Department, U. Cambridge)

2001-2003: *Postdoctoral grant* (IQM-CSIC, Madrid-Spain)

2003-2014: Senior research (IQM-CSIC, Madrid-Spain)

I+D PROJECT

1. Desarrollo de Nuevos Cannabinoides: Diseño, Síntesis y Evaluación. CSIC (Intramurales especiales, 200480E453). 2008-2009. PI: Dra. Nuria E. Campillo
2. Optimisation and Pre-Validation of an In Vitro Test Strategy for Predicting Human Acute Toxicity. Comunidad Europea (LSHB-CT-2004-512051). 2005-2010 PI: Dra. Nuria Campillo
3. Nuevas Aproximaciones para el Descubrimiento y Desarrollo de Fármacos Innovadores en el Tratamiento de Enfermedades Neurodegenerativas. MICINN (CTQ2009-07664). 2010-2012 PI: Dra. Nuria Campillo
4. Nuevas Aproximaciones para el Descubrimiento y Desarrollo de Fármacos Innovadores en el Tratamiento de Enfermedades Neurodegenerativas. CSIC(201280E046). 2012-2013PI: Dra. Nuria Campillo
5. **DESARROLLO DE FARMACOS INNOVADORES PARA LA ENFERMEDAD DE CHAGAS.** MICINN (TRA2009-0085). 2010-2011 PI: Dr. Juan A. Páez.

6. **PHOSPHODIESTERASE INHIBITORS FOR NEGLECTED PARASITIC DISEASES. European Union (FP7/2007- 2013).** 2014-2017 PI: Dra. C. Gil

PUBLICATIONS (more than 60 publications. Some of the most relevant and last years:)

1. Rafael Molina, Ana González, Meike Stelter, Inmaculada Perez-Dorado, Richard Kahn, María Morales, Susana Campuzano, Nuria E. Campillo, Shahriar Mobashery, José L. García, Pedro García, Juan A. Hermoso. Crystal structure of CbpF, a bifunctional choline binding protein and autolysis regulator from *Streptococcus pneumoniae*. *EMBO Reports*, Vol. 10, 246-251 **2009**
2. H. Rodríguez¹, I. Angulo, B. de las Rivas, N.E. Campillo, J.A. Páez, R. Muñoz and J.M. Mancheño. Crystal Structure of *p*-Coumaric Acid Decarboxylase from *Lactobacillus plantarum*: structural insights into the active site and decarboxylation catalytic mechanism. *Proteins* Vol.78, 1662-1676 **2010**
3. Angela. Guerra, Nuria E. Campillo, Juan A. Páez. Neural Computational Prediction of Oral Drug Absorption based on CODES 2D Descriptors. *Eur. J. Med. Chem.* Vol. 45, 930-940 **2010**
4. Noemi Bustamante, Nuria E. Campillo, Benet Pera, José Luis Saiz, Gregory Diakun, Ernesto García, Pedro García, J. Fernando Díaz, Margarita Menéndez. Cpl-7, a lysozyme encoded by a pneumococcal bacteriophage with a new cell wall binding motif. *J. Biol. Chem.* Vol.: 285(43) 33184-96 **2010**
5. Javier Ramos, Victor L. Cruz, Javier Martínez-Salazar, Nuria E. Campillo and Juan A. Paéz . Dissimilar interaction of CB1/CB2 with lipid bilayers as revealed by molecular dynamics simulation. *Phys. Chem. Chem. Phys.*, Vol.: 13 3660-3668 **2011**
6. Valle Palomo, Ignacio Soteras, Daniel I. Perez, Concepción Perez, Carmen Gil, Nuria Campillo, and Ana Martinez. Exploring the binding sites of GSK3. Identification and characterization of allosteric modulation cavities. *J. Med.Chem* . Vol.: 54 8461-8470 **2011**
7. Alicia Merlino, Diego Benitez, Nuria E. Campillo, Juan A. Páez, Luzineide W. Tinoco, Mercedes González and Hugo Cerecetto. Amidines bearing benzofuroxan or benzimidazole 1,3-dioxide core scaffolds as *Trypanosoma cruzi*-inhibitors: Structural basis for their interactions with cruzipain. *Med. Chem. Comm.*, Vol.:3 :90-101 **2012**
8. Valle Palomo, Daniel Perez, Concepción Pérez, Jose Morales, Ignacio Soteras, Sandra Alonso-Gil, Arantxa Encinas, Ana Castro, Nuria Campillo, Ana Perez-Castillo, Carmen Gil, Ana Martinez. 5-Imino-1,2,4-thiadiazoles: first small molecules as substrate competitive inhibitors of GSK3. *J. Med.Chem* . 55, (4), 1645-61 **2012**
9. Miriam Redondo, Jose Brea, Daniel Pérez, Ignacio Soteras, Cristina Val, Concepción Pérez, Jose Morales-Garcia, Sandra Alonso-Gil, Nuria Paul-Fernandez, Rocio Martin-Alvarez, Isabel Cadavid, Isabel Loza, Ana Perez-Castillo, Guadalupe Mengod, Nuria E. Campillo, Ana Martinez, Carmen Gil. Effect of PDE7 inhibitors in experimental autoimmune encephalomyelitis mice. Discovery of a new chemically diverse family of compounds. *J. Med.Chem* 55, (7), 3274-84 **2012**
16. Pedro González-Naranjo, Concepción Pérez, Nuria E. Campillo and Juan A. Páez Cannabinoids As Multitarget Drugs For Alzheimer Disease. *Current*

- Alzheimer Research 0(3):229-39 **2013**
17. Gonzalez-Naranjo, P.; Perez-Macias, N.; Campillo, N. E.; Perez, C.; Aran, V. J.; Giron, R.; Sanchez-Robles, E.; Martin, M. I.; Gomez-Canas, M.; Garcia-Arencibia, M.; Fernandez-Ruiz, J.; Paez, J. A., Cannabinoid agonists showing BuChE inhibition as potential therapeutic agents for Alzheimer's diseases. *Eur J Med Chem*, 73C, 56-72. **2014**
 18. Guerra, A.; Gonzalez-Naranjo, P.; Campillo, N. E.; Cerecetto, H.; Gonzalez, M.; Paez, J. A., Artificial neural networks based on CODES descriptors in pharmacology: identification of novel trypanocidal drugs against Chagas disease. *Curr Comput Aided Drug Des*, 9, (1), 130-40. **2013**
 19. M. Redondo, I. Soteras, J. Brea, , S. Conce, M.I. Cadavid, M. I. Loza, A. Martínez, C. Gil and N. E. Campillo. Unraveling phosphodiesterase surfaces. Identification of PDE7 allosteric modulation cavities. *E. J. Med. Chem.* .Vol.: 70, pp 781–888 Fecha: **2013**
 20. P. González-Naranjo, N. Pérez-Macias, N. E. Campillo, C. Pérez, V. J. Arán, R. Girón, E. Sánchez-Robles, M. Isabel Martín, M. Gómez-Cañas, M. García-Arencibia, J. Fernández-Ruiz, J. A. Páez. Cannabinoid agonists showing BuChE inhibition as potential therapeutic agents for Alzheimer's disease. *E. J. Med. Chem.* **Vol.:** 73, pp 56–72 Fecha: **2014**
 21. Martín Gabay, Mauricio Cabrera, Rossanna Di Maio, Juan A. Paéz, Nuria Campillo, María L. Lavaggi, Hugo Cerecetto, and Mercedes González. Mutagenicity of *N*-oxide Containing Heterocycles and Related Com-pounds: Experimental and Theoretical Studies. *Current Topics in Medicinal Chemistry*, **2014**, 14, 000-000