

CURRICULUM VITAE INVESTIGATOR			
PERSONAL DATA			
Father's name Gonzalez-Billault		Name Christian	
Birth date 06-05-1969	Age (at 15/07/2011) 42	Gender (M o F) M	Nationality(ies) Chilean
Title Biochemistry		Academic Degree Ph.D. Cell and Molecular Biology	
Current position Associate Professor	Institution (Department, Faculty, Institution) University of Chile, Faculty of Sciences		
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EDUCATION, ACADEMIC AND PROFESSIONAL EXPERIENCE			
University of Chile, Santiago Bs Sc Biochemistry		1996	Biochemistry
Universidad Autonoma de Madrid.		PhD. 2000	Cell and Molecular Biology
RESEARCH AND/OR PROFESSIONAL EXPERIENCE			
ACADEMIC EMPLOYMENT			
PhD Student	Centro Biologia Molecular Severo Ochoa, Madrid, Spain	1996-2000	
Research Associated	Centro Biologia Molecular Severo Ochoa, Madrid, Spain	2000-2002	
Assistant Professor	University of Chile	2003-2007	
Associate Professor	University of Chile	2007-	
Ph.D. students:			
1 Ph.D. student graduated at Universidad Autonoma de Madrid, 5 PhD students graduated at University of Chile. Currently, 5 Ph.D. students at Universidad de Chile.			
HONORS, AWARDS AND EDITORIAL POSITIONS			
1996-1999	PhD fellowship from the Spanish Government (AECI-ICI)		
1999-2000	PhD fellowship from the Authonomic Community of Madrid		
2000-2001	Postdoctoral fellowship from the Authonomic Community of Madrid, Program "Excellence Groups in Neurosciences"		
2001-2004	Postdoctoral fellowship from the Chilean National Agency for Science (FONDECYT).		
2004-	Only Latinamerican selected for the Gordon Research Conference in Cellular and Molecular Neurobiology, Hong Kong, China. June, 2004.		
2004-2005	Member of the External Advisory Board of the Millennium Nucleus in Developmental Biology		
2006-2009	Member of the Study Section Biology 3, FONDECYT, Chile		
2008	Member of the evaluation panel PhD fellowships, FONDECYT, Chile		
2007-2009	Director, Chilean Society of Biology		

2009-2011	Secretary, Chilean Society of Biology
2007-2011	Fellow of the Program Frontiers in Sciences, from the Chilean Academy of Sciences
2008-	Associate Editor “Biological Research”
2010-	Member of the Editorial Board “Frontiers in Neurodegenerative Diseases”

MAIN PUBLICATIONS IN MEDIA WITH EDITORIAL COMMITTEE

Borquez, D.A. and Gonzalez-Billault, Chr. (2011) Regulation of cell polarity by controlled proteolytic systems. *Biological Research*, 44, 35-41.

Gómez, F.J., Aguirre, P., Gonzalez-Billault, C. and Núñez, M.T. (2011) Iron mediates neuritic tree collapse in mesencephalic neurons treated with 1-methyl-4-phenylpyridinium (MPP+). *J Neural Transm.* 118(3), 421-431.

Gonzalez-Billault, Chr., Inestrosa, N.C. and Santos, M.J. (2011) Contributions by researchers of “Ciencia de Frontera” of the Chilean Academy of Sciences, 44, 5-5

Venegas C, Tortosa E, Rosso S, Peretti D, Bollati F, Bisbal M, Jausoro I, Avila J, Cáceres A, Gonzalez-Billault C. (2010) MAP1B regulates axonal development by modulating Rho-GTPase Rac1 activity. *Montenegro- Mol Biol Cell.* 21, 3518-3528.

Utreras, E., Maccioni, R. and Gonzalez-Billault, C. (2009) Cyclin-Dependent Kinase 5 activator p35 Over-Expression and Amyloid Beta Synergism Increase Apoptosis in cultured Neuronal Cells. *Neuroscience*, 161, 978-987.

Utreras E, Jimenez-Mateos EM, Contreras-Vallejos, E., Tortosa, E., Perez, M., Rojas S, Saragoni L, Maccioni RB, Avila J and Gonzalez-Billault C. (2008) Microtubule-associated protein 1B interaction with tubulin tyrosine ligase contributes to the control of microtubule tyrosination. *Dev. Neurosci.* 30, 200-210.

Mendoza-Naranjo A, Gonzalez-Billault C and Maccioni RB (2007) A β 1-42 stimulates actin polymerization in hippocampal neurons through Rac1 and cdc42 Rho GTPases. *J. Cell Sciences* 120, 279-288.

Jimenez-Mateos EM, Gonzalez-Billault C, Dawson HN, Vitek MP and Avila J. (2006) “Role of MAP1B in axonal retrograde transport of mitochondria” *Biochem J.* 397:53-9.

Gonzalez-Billault C, Del Rio JA, Urena JM, Jimenez-Mateos EM, Barallobre MJ, Pascual M, Pujadas L, Simo S, Torre AL, Gavin R, Wandosell F, Soriano E, Avila J. (2005) A role of MAP1B in Reelin-dependent Neuronal Migration. *Cereb Cortex.* 15(8), 1134-1145.

Jimenez-Mateos EM, Wandosell F, Reiner O, Avila J, Gonzalez-Billault C. (2005) Binding of microtubule-associated protein 1B to LIS1 affects the interaction between dynein and LIS1. *Biochem J.* 15:389(Pt 2), 333-341.

Jimenez-Mateos EM, Paglini G, Gonzalez-Billault C, Caceres A, Avila J. End binding protein-1 (EB1) complements microtubule-associated protein-1B during axonogenesis. *J Neurosci Res.* 1;80(3), 350-359.

Del Rio JA, Gonzalez-Billault C, Urena JM, Jimenez EM, Barallobre MJ, Pascual M, Pujadas L, Simo S, La Torre A, Wandosell F, Avila J, Soriano E. MAP1B is required for Netrin 1 signaling in neuronal migration and axonal guidance. *Curr Biol.* 25;14(10), 840-850.

Zambrano CA, Egana JT, Nunez MT, Maccioni RB, Gonzalez-Billault C. (2004) Oxidative stress promotes tau dephosphorylation in neuronal cells: the roles of cdk5 and PP1. *Free Radic Biol Med.* 1;36(11), 1393-402.

Quintanilla RA, Orellana DI, Gonzalez-Billault C, Maccioni RB. (2004) Interleukin-6 induces Alzheimer-type phosphorylation of tau protein by deregulating the cdk5/p35 pathway. *Exp Cell Res* 15;295(1), 245-257.

Gonzalez-Billault C, Jimenez-Mateos EM, Caceres A, Diaz-Nido J, Wandosell F, Avila J. (2004) Microtubule-associated protein 1B function during normal development, regeneration, and pathological conditions in the nervous system. *J Neurobiol.* 58(1), 48-59.

Egana JT, Zambrano C, Nunez MT, Gonzalez-Billault C, Maccioni RB. (2003) Iron-induced oxidative stress modify tau phosphorylation patterns in hippocampal cell cultures. *Biometals.* 16(1), 215-223.

Oth C, Concha II, Arendt T, Stieler J, Schliebs R, Gonzalez-Billault C, Maccioni RB. (2002) AbetaPP induces cdk5-dependent tau hyperphosphorylation in transgenic mice Tg2576. *J Alzheimers Dis.* 4(5), 417-430.

Gonzalez-Billault C, Owen R, Gordon-Weeks PR, Avila J.(2002) Microtubule-associated protein 1B is involved in the initial stages of axonogenesis in peripheral nervous system cultured neurons. *Brain Res.* 5;943(1), 56-67.

Gonzalez-Billault C, Engelke M, Jimenez-Mateos EM, Wandosell F, Caceres A, Avila J. (2002) Participation of structural microtubule-associated proteins (MAPs) in the development of neuronal polarity. *J Neurosci Res.* 15;67(6), 713-719.

Gonzalez-Billault C, Avila J, Caceres A. (2001) Evidence for the role of MAP1B in axon formation. *Mol Biol Cell.* 12(7), 2087-98.

Gonzalez-Billault C, Demandt E, Wandosell F, Torres M, Bonaldo P, Stoykova A, Chowdhury K, Gruss P, Avila J, Sanchez MP. (2000) Perinatal lethality of microtubule-associated protein 1B-deficient mice expressing alternative isoforms of the protein at low levels. *Mol Cell Neurosci.* 16(4), 408-21.

Gonzalez-Billault C, Avila J. (2000) Molecular genetic approaches to microtubule-associated protein function. *Histol Histopathol.* 15(4), 1177-1183.

Gonzalez C, Farias G, Maccioni RB. (1998) Modification of tau to an Alzheimer's type protein interferes with its interaction with microtubules. *Cell Mol Biol (Noisy-le-grand)*. 44(7), 1117-1127.

Farias G, Gonzalez-Billault C, Maccioni RB. (1997) Immunological characterization of epitopes on tau of Alzheimer's type and chemically modified tau. *Mol Cell Biochem*. 168(1-2):59-6674, 451-465.