

Publications

Publications à comité de lecture

Varilh M, Acquatella-Tran Van Ba I, Silhol M, Nieto-Lopez F, Moussaed M, Lebart MC, Bovolenta P, Verdier JM, Rossel M, **Marcilhac A**[†], Trousse F[†]. (†These authors have contributed equally to this work). Reg-1 α Promotes Differentiation of Cortical Progenitors via Its N-Terminal Active Domain. *Front Cell Dev Biol.* 2020 Aug 13;8:681.

Moussaed M, Huc-Brandt S, Cubedo N, Silhol M, Murat S, Lebart MC, Kovacs G, Verdier JM, Trousse F, Rossel M, **Marcilhac A**. 2018. Regenerating islet-derived 1 α (REG-1 α) protein increases tau phosphorylation in cell and animal models of tauopathies. *Neurobiol Dis.* 2018 Nov;119:136-148.

Labour MN, Vigier S, Lerner D, Belamie E*, **Marcilhac A***. 2016 3D compartmented model to study the neurite-related toxicity of A β aggregates included in collagen gels of adaptable porosity. *Acta Biomater.* 37:38-49. * (*Both authors contributed equally to this work).

Acquatella-Tran Van Ba I, Marchal S, François F, Silhol M, Lleres C, Michel B, Benyamin Y, Verdier JM, Trousse F, **Marcilhac A**. Regenerating islet-derived 1 α (Reg-1 α) protein is new neuronal secreted factor that stimulates neurite outgrowth via exostosin Tumor-like 3 (EXTL3) receptor. *J Biol Chem.* 2012 10;287(7):4726-39.

Labour MN, Banc A, Tourrette A, Cunin F, Verdier JM, Devoisselle JM, **Marcilhac A**, Belamie E. Thick collagen-based 3D matrices including growth factors to induce neurite outgrowth. *Acta Biomater.* 2012 8 ; 3302-12. 2.

Magnaghi-Jaulin L, **Marcilhac A**, Rossel M, Jaulin C, Benyamin Y, Raynaud F. Calpain 2 is required for sister chromatid cohesion. *Chromosoma.* 2010 ;119(3):267-74.

Raynaud F, **Marcilhac A**, Chebli K, Benyamin Y, Rossel M. Calpain 2 expression pattern and sub-cellular localization during mouse embryogenesis. *Int J Dev Biol.* 2008;52(4):383-8.

Raynaud F. and **Marcilhac A**. (2006) Implication of calpain in neuronal apoptosis : A possible regulation of Alzheimer's disease. *FEBS J.* 273(15):3437-43. Review.

Marcilhac A*, Raynaud F.*, Clerc I., Benyamin Y. (2006) Detection and localization of calpain 3-like protease in a neuronal cell line: possible regulation of apoptotic cell death through degradation of nuclear I κ B α . *Int J Biochem Cell Biol.* 38 ; 2128-40.

Raynaud, F., Jond-Nacand, C., **Marcilhac A.**, Fürst, D. and Benyamin, Y. (2006) Calpain 1-gamma filamin interaction in muscle cells: a possible in situ regulation by PKC-alpha. *Int J Biochem Cell Biol.* 38 : 404-13.

Marcilhac A. (2004) Intracellular signaling pathways, apoptosis and neurodegenerative diseases *Psychol Neuropsychiatr Vieil.* 3:203-14. Review.

Raynaud F, Carnac G, **Marcilhac A**, Benyamin Y. (2004) m-Calpain implication in cell cycle during muscle precursor cell activation. *Exp Cell Res.* 298:48-57.

C. Bonnal, F. Raynaud, C. Astier, M.C. Lebart, **A. Marcilhac**, D. Coves, G. Corraze, A. Gélinau, J. Fleurence, C. Roustan and Y. Benyamin Post mortem Degradation of White Fish Skeletal Muscle (sea bass, *Dicentrarchus labrax*). Fat Diet Effects on in situ Dystrophin Proteolysis During the pre-rigor Stage. *Mar. Biotechnol.* 3, 172-180, 2001.

Kosa E., **Marcilhac A.**, Fache M.P., Siaud P. Effects of b-phenylethylamine on hypothalamo-pituitary-adrenal axis in the male rat. *Pharmacology, Biochemistry and Behavior*, 2000.

Marcilhac A., Anglade G., Hery F., Siaud P. Olfactory bulbectomy increases vasopressin, but not corticotropin-releasing hormone content, in the external layer of the median eminence of male rats. *Neuroscience Letter* 262, 89-92, 1999.

Marcilhac A., Faudon M., Anglade G., Hery F., Siaud P. An investigation of the serotonergic involvement in the regulation of ACTH and corticosterone in the olfactory bulbectomized rats. *Pharmacology Biochemistry Behavior* 63, 599-605, 1999.

Marcilhac A., Anglade G., Hery F., Siaud P. Effects of bilateral olfactory bulbectomy on the anterior pituitary corticotrophic cells activity in the male rats. *Hormone and Metabolic Research* 31, 399-401, 1999.

Marcilhac A., Dakine N., Bourhim N., Guillaume V., Grino M., Drieu K., Oliver C. Effect of chronic administration of Ginkgo Biloba extract or Ginkgolide on the hypothalamic-pituitary-adrenal axis in the rat. *Life Sciences* 62, 2329-2340, 1998.

Marcilhac A., Siaud P. Identification of projections from the central nucleus of the amygdala to the paraventricular nucleus of the hypothalamus which are immunoreactive for corticotrophin-releasing hormone in the rat. *Exp. Physiol.* 82, 273-281, 1997.

Marcilhac A., Anglade G., Siaud P. Etude de l'activité de l'axe hypothalamo-hypophyso-corticosurrénalien chez le rat bulbectomisé : un modèle expérimental pour la recherche des liens entre l'altération de la fonction corticotrope et de la dépression. *La revue Française de Psychiatrie et de Psychologie Médicale* 4, 87-91, 1997.

Marcilhac A., Maurel D., Anglade G., Ixart G., Mekaouche M., Hery F., Siaud P. Effects of bilateral olfactory bulbectomy on circadien rhythms of ACTH, corticosterone, motor activity and body temperature in male rats. *Archives of Physiology and Biochemistry* 105, 1-7, 1997.

Marcilhac A., Anglade G., Siaud P. Antidepressant drug actions on hypothalamic-pituitary-adrenal axis in olfactory bulbectomized male rats in *Neurochemistry : cellular, molecular and clinical aspects*. Plenum press (ed), 63-67, 1997.

Marcilhac A., Siaud P. Regulation of the adrenocorticotrophin response to stress by the central nucleus of the amygdala in rats depends upon the nature of the stressor. *Exp.Physiol.* 81, 1035-1038, 1996

Siaud P., Mekaouche M., Givalois L., Balmeffrezol M., **Marcilhac A.**, Ixart G. Effects of pharmacological lesion of adrenergic innervation of the dorsal vagal nucleus on pancreatic insulin secretion in normal and vagotomized rats. *Physiol.Res.* 44, 227-231, 1995.

Ouvrage

UGA Edition « Environnement et vieillissement : partenaires ou adversaires ? » Sous la direction de **Anne Marcilhac**, sous presse.

Article de vulgarisation

Faire carrière dans les métiers de l'aide à domicile ? *La tribune, Occitanie*, Septembre 2018

« Une collaboration inter-GRET : un modèle de neurones en culture 3D pour mieux comprendre la physiopathologie de la maladie d'Alzheimer », Anne Marcilhac et Emmanuel Belamie, *Ephemeride, Le magazine de l'EPHE*, Juin 2018.

« Focus : L'Institut Transdisciplinaire d'Etude du Vieillissement, ITEV-EPHE », *La lettre d'information du GDR Longévité et Vieillissement, Recherche sur le vieillissement*, Janvier 2017, numéro 9.

Le vieillissement est-il une maladie ? **Anne Marcilhac**, Jean-Michel Verdier, *Biofutur*, Vol 31/329, 37-40, 2012.

Autres publications

Marcilhac A. Description des mécanismes de l'apoptose dans la dégénérescence neuronale observée lors de la maladie d'Alzheimer. Chapitre d'ouvrage. *Communication et démences*. Ed Solal.