

LIST OF PUBLICATIONS

CARMEN CLAPP

Summary

Peer-reviewed publications	157
Books edited	1
Chapters in books	19
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Google Scholar citations	6,313
h index	44
i10 index	111
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Research Gate citations	5,253
Research interest score	2,123
h index	41
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Scopus citations	4,677
h index	38

PEER-REVIEWED PUBLICATIONS

2023

157. Núñez-Amaro CD, López M, Adán-Castro E, Robles-Osorio ML, García-Franco L, García-Roa M, Villalpando-Robles Y, Ramírez-Neria P, Pineiro N, Rubio-Mijangos JF, Sánchez J, Ramírez-Hernández G, Siqueiros-Márquez L, Díaz-Lezama N, López-Star E, Bertsch T, Martínez de la Escalera G, Triebel J, Clapp C. Levosulpiride for the treatment of diabetic macular oedema: A phase 2 randomized clinical trial. *EYE*, In press, 2023. **FI: 4.456**
156. Ruiz-Herrera X, Luzardo-Ocampo I, Martínez de la Escalera G, Clapp C, Macotela Y. Differentiated mouse adipocytes in primary culture: A model of insulin resistance. *J. Vis. Exp.* 192: E63979, doi:10.3791/63979, 2023. **FI: 1.424**
155. Luzardo-Ocampo I, Dena-Beltrán JL, Martínez de la Escalera G, Clapp C, Macotela Y. Obesity-derived alterations in the lactating mammary gland: focus on prolactin. *Molecular and Cellular Endocrinology* 559:111810, 2023. **FI: 4.102**

2022

154. Macotela Y, Ruiz-Herrera X, Vázquez-Carrillo DI, Ramírez-Hernández G, Martínez de la Escalera G, Clapp C. The beneficial metabolic actions of prolactin. *Frontiers in Endocrinology* 13:1001703, 2022. **FI: 6.055**
153. Triebel J, Bertsch T, Clapp C. Prolactin and vasoinhibin are endogenous players in diabetic retinopathy revisited. *Frontiers in Endocrinology* 13:994898, 2022. **FI: 6.055**
152. Clapp C, Ortíz G, García-Rodrigo JF, Ledesma-Colunga MG, Martínez-Díaz F, Adán N, Martínez de la Escalera G. Dual roles of prolactin and vasoinhibin in inflammatory arthritis. *Frontiers in Endocrinology* 13:905756, 2022. Doi: 10.3389/fendo.2022.905756. **FI: 6.055**
153. Triebel J, Robles JP, Zamora Z, Clapp C, Bertsch. New horizons in specific hormone proteolysis. *Trends in Endocrinology and Metabolism* 33:371-377, 2022. **FI: 12.015**

150. Ortíz G, Ledesma-Colunga MG, Zhijian Wu Z, García-Rodrigo JF, Adán N, Martínez-Díaz F, de Los Ríos EA, López-Barrera F, Martínez de la Escalera G, Clapp C. Vasoinhibin is generated and promotes inflammation in mild antigen-induced arthritis. *Endocrinology* 163(5):1-12 2022. **FI: 5.045**
149. Martínez de la Escalera G, Macotela Y, Clapp C. A new experimental tool towards understanding the regulation of human prolactin secretion and functions. *Endocrinology* 163(4):1-2, 2022. **FI: 5.045**
148. Robles JP, Zamora M, Martínez de la Escalera G, Clapp C. The spike protein of SARS-CoV-2 induces endothelial inflammation through integrin $\alpha 5\beta 1$ and NF- κ B signaling. *Journal of Biological Chemistry* 298(3):101695, 2022. **FI: 4.238**
147. Leuchs A, Davies N, Friedrich C, Trier S, Clapp C, Bertsch T, Triebel J. A comparative phylogenetic analysis of prolactin cleavage sites for the generation of vasoinhibin in vertebrates. *General and Comparative Endocrinology* 320:114011, 2022. **FI: 2.88**
146. Markl-Hahn H, Neugebauer L, Lenke L, Ecker S, Merz T, McCook O, Khoudar n, Bruckeer C, Radermacher P, Waller C, Clapp C, Bertsch T, Triebel J. Human placental tissue contains a placental lactogen derived vasoinhibin. *Journal of the Endocrine Society* 6:1-14, 2022. **FI: 3.49**
145. Hernández-Soto R, Adán-Castro E, Clapp C, Peña-Ortega F. Main olfactory bulb reconfiguration by prolonged passive olfactory experience correlates with increased brain-derived neurotrophic factor and improved innate olfaction. *European Journal of Neuroscience* 55:1141-1161, 2022. **FI: 3.386**
144. Adán-Castro E, Siqueiros-Márquez L, Ramírez-Hernández G, Díaz-Lezama N, Ruiz-Herrera X, Nuñez FF, Nuñez-Amaro CD, Robles-Osorio ML, Bertsch T, Triebel J, Martínez de la Escalera G, Clapp C. Sulpiride-induced hyperprolactinemia increases retinal vasoinhibin and protects against diabetic retinopathy in rats. *Journal of Neuroendocrinology: Translational and Clinical Neuroendocrinology* 34:e13091, 2022. doi:[10.1111/jne.13091](https://doi.org/10.1111/jne.13091). **FI: 3.627**
143. Robles JP, Zamora M, Siqueiros-Marquez L, Adan-Castro E, Ramirez-Hernandez G, Nuñez FF, Lopez-Casillas F, Millar RP, Bertsch T, Martínez de la Escalera G, Tiebel J, Clapp C. The HGR motif is the antiangiogenic determinant of vasoinhibin: implications for a therapeutic orally active oligopeptide. *Angiogenesis* 25:57-70, 2022. Doi: [10.1007/s10456-021-09800-x](https://doi.org/10.1007/s10456-021-09800-x). **FI: 9.78**

2021

142. Ruggiero C, Altieri B, Arnold E, Siqueiros-Marquez L, Doghman-Bouguerra M, Detomas M, Durand N, Jarjat M, Chatonnet F, Fassnacht M, Deutschbein T, Clapp C, Lalli E. Integrative genomic analysis reveals a conserved role for prolactin signalling in the regulation of adrenal function. *Clinical and Translational Medicine* 11: e630, 2021. Doi: <https://doi.org/10.1002/ctm2.630>, **FI: 11.492**
141. Robles JP, Zamora M, Martínez de la Escalera G, Clapp C. The spike protein of SARS-CoV-2 induces endothelial inflammation through integrin $\alpha 5\beta 1$ and NF- κ B. *BioRxiv*, Preprint Registrado, Doi: <https://doi.org/10.1101/2021.08.01.454605>, 2021.
140. Friedrich C, Neugebauer L, Zamora M, Robles JP, Martínez de la Escalera G, Clapp C, Bertsch T, Triebel J. Plasmin generates vasoinhibin-like peptides by cleaving prolactin and placental lactogen. *Molecular and Cellular Endocrinology* 538:111471, 2021. **FI: 4.102**
139. Zamora M, Robles JP, Aguilar MB, Romero-Gómez SJ, Bertsch T, Martínez de la Escalera G, Tiebel J, Clapp C. Thrombin cleaves prolactin into a potent 5.6 kDa vasoinhibin: Implication for tissue repair. *Endocrinology* 162: 1-15, 2021. <https://doi.org/10.1210/endoqr/bqab177>. **FI: 5.045**
138. Müller N, Robles JP, Zamora M, Ebnet J, Markl-Hahn H, Martínez de la Escalera G, Clapp C, Bertsch, Tiebel J. Development of vasoinhibin-specific monoclonal antibodies. *Frontiers in Endocrinology* 12:645085, 2021. Doi: [10.3389/fendo.2021.645085](https://doi.org/10.3389/fendo.2021.645085). **FI: 6.055**
137. Ramírez-Hernández G., Adán-Castro E., Díaz-Lezama N., Ruiz-Herrera X, Martínez de la Escalera G., Macotela Y, Clapp C. Global deletion of the prolactin receptor aggravates streptozotocin-induced diabetes in mice. *Frontiers in Endocrinology* 12:619696, 2021. Doi: [10.3389/fendo.2021.619696](https://doi.org/10.3389/fendo.2021.619696). **FI: 6.055**

2020

136. Nuñez-Amaro C.D., Moreno-Vega A.I., Adan-Castro E., Zamora M., Garcia-Franco R., Ramirez-Neria P., Garcia-Roa M., Villalpando Y, Robles J.P., Ramirez-Hernandez G., Lopez M., Sanchez J., Lopez-Star E., Bertsch T., Martinez de la Escalera G., Robles-Osorio M.L., Triebel J., **Clapp C.** Levosulpiride increases the levels of

prolactin and antiangiogenic vasoinhibin in the vitreous of patients with proliferative diabetic retinopathy. *Translational Vision Science & Technology (TVST)* 9:27, 2020. **FI: 2.399**

135. Ortiz G, Ledesma-Colunga M.G., Wu Z., Garcia-Rodrigo JF, Adan N, Martínez de la Escalera G, **Clapp C.** Vasoinhibin reduces joint inflammation, bone loss, and the angiogenesis and vasopermeability of the pannus in murine antigen-induced arthritis. *Laboratory Investigation* 100:1068-1079, 2020. **FI: 3.21**
134. Macotela Y, Triebel J, **Clapp C.** Opinion: Time for a new perspective on prolactin in metabolism. *Trends in Endocrinology and Metabolism* 31:276-286, 2020. **FI: 11.64**
133. Vázquez-Membrillo, M., Siqueiros-Márquez, L., Núñez, F.F., Díaz-Lezama, N., Adán-Castro, E., Ramírez-Hernández, G., Adán, N., Macotela, Y., Martínez de la Escalera, G., **Clapp, C.** Prolactin stimulates the vascularization of the retina in newborn mice under hyperoxia conditions. *Journal of Neuroendocrinology*, 32:e12858, 2020. Doi: <https://doi.org/10.1111/jne.12858>. **FI: 3.392**
132. Ponce, A.J., Galván-Salas, T., Lerma-Alvarado, R.M., Ruíz-Herrera, X., Cárdenas, L.E., Hernández, T., Valencia, R., Martínez de la Escalera, G., **Clapp, C.**, Macotela, Y. Low prolactin levels associate with insulin resistance and visceral adipocyte hypertrophy in humans. *Endocrine* 67:331-343, 2020. **FI: 3.878**
131. Triebel, J., Schauer, N., Zamora, M., Moreno-Vega, A.I., Martínez de la Escalera, G., **Clapp, C.**, Bertsch, T. Matrix metalloproteases and cathepsin D in human serum do not cleave prolactin to generate vasoinhibin. *Clinical Laboratory* 66:877-866, 2020. **FI: 1.224.**
130. Aroña, R.M., Arnold, E., Macías, F., López-Casillas, F., **Clapp, C.**, Martínez de la Escalera, G. Vasoinhibin generation and effect on neuronal apoptosis in the hippocampus of late mouse embryos. *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology* 318(4): R760-R771, 2020. DOI: 10.1152/ajpregu.00286.2019. **FI: 3.529**
129. Lenke, L., Martínez de la Escalera, G., **Clapp, C.**, Bertsch, T., Triebel, J. A dysregulation of the prolactin/vasoinhibin axis appears to contribute to preeclampsia. *Frontiers in Endocrinology* 10:893. DOI: 10.3389/fendo.2019.00893. **FI: 3.675**
128. Arnold, E., Thebault, S., Aroña, R.M., Martínez de la Escalera, G., **Clapp, C.** Prolactin mitigates deficiencies of retinal function associated with aging. *Neurobiology of Aging* 85: 38-48, 2020. DOI: 10.1016/j.neurobiolaging.201910002. **FI: 5.153**

2019

127. Pérez-Ortíz AC, Peralta-Ildelfonso MJ, Lira-Romero E, Moya-Albor E, Brieva J, Ramírez-Zanchez I, **Clapp C**, Luna-Angulo A, Rendón A, Adán-Castro E, Ramírez-Hernández G, Díaz-Lexama N, Coral-Vázquez RM, Estrada-Mena FJ. Lack of delta-sarcoglycan (Sgcd) results in retinal degeneration resembling geographic atrophy AMD. *Intentional Journal of Molecular Sciences* 20:5480, 2019. DOI:10.3390/ijms20215480. **FI: 4.183**
126. Moreno-Carranza, B., Robles, J.P., Cruces-Solís, H., Ferrer-Ríos, M.G., Aguilar-Rivera, E., Yupanki, M., Martínez de la Escalera, G., **Clapp, C.** Sequence optimization and glycosylation of vasoinhibin: Pitfalls of recombinant production. *Protein Expression and Purification* 161: 49-56, 2019. **FI: 1.338**
125. **Clapp, C.**, Díaz-Lezama, N., Adan-Castro, E., Ramírez-Hernandez, G., Moreno-Carranza, B., Sarti, A.C., Falzoni, S., Solini, A., Di Virgilio, F. Pharmacological blockade of the P2X7 receptor reverses retinal damage in a rat model of type 1 diabetes. *Acta Diabetologica* 56:1031-1036, 2019. **FI: 6.206**
124. Triebel, J., Robles, J.P., Zamora, M., Martínez de la Escalera, G., Bertsch, T, **Clapp, C.** Regulator of angiogenesis and vascular function: A 2019 update of the vasoinhibin nomenclature. *Frontiers in Endocrinology* 10: 214, 2019. DOI: 10.3389/fendo.2019.00214. **FI: 3.675**
123. Melo, Z., Castillo, X., Moreno-Carranza, B., Ledesma-Colunga, M.G., López-Casillas, F., Ruíz-Herrera, X., **Clapp, C.**, Martínez de la Escalera, G. Vasoinhibin suppresses nerve growth factor-induced differentiation and survival of PC12 pheochromocytoma cells. *Neuroendocrinology* 109 (2): 152-164, 2019. DOI: 10.1159/000499507. **FI: 6.804**

2018

122. Robles, J.P., Zamora, M., Velasco-Bolom, J.L., Tovar, M., Garduño-Juárez, R., Bertsch, T., Martínez de la Escalera, G., Triebel, J., **Clapp, C.** Vasoinhibins comprise a three-helix bundle and their antiangiogenic domain is located within the first 79 residues. *Scientific Reports* 8(17111): 1-17, 2018. DOI: DOI:10.1038/s41598-018-35383-7. **FI: 5.525**

121. Moreno-Carranza, B., Bravo-Manríquez, M., Baez, A., Ledesma-Colunga, M.G., Ruíz-Herrera, X., Reyes-Ortega, P., de los Ríos, E.A., Macotela, Y., Martínez de la Escalera, G., **Clapp, C.** Prolactin regulates liver growth during postnatal development in mice. *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology* 314: R902-R908, 2018. DOI: 10.1152/ajpregu.00003.2018. **FI: 3.529**
120. Robles-Osorio, L., García-Franco, R., Núñez-Amaro, D., Mira-Lorenzo, X., Ramírez-Neria, P., Hernández, W., López-Star, E., Bertsch, T., Martínez de la Escalera, G., Triebel, J., **Clapp, C.** Basis and design of a randomized clinical trial to evaluate the effect of levosulpride on retinal alterations in patients with diabetic retinopathy and diabetic macular edema. *Frontiers in Endocrinology* 9: 242, 2018. DOI 10.3389/fendo.2018.00242. **FI: 3.675**
119. de los Ríos, E.A., Ruíz-Herrera, X., Tinoco-Pantoja, V., López-Barrera, F., Martínez de la Escalera, G., **Clapp, C.**, Macotela, Y. The effect of maternal high fat feeding during lactation on offspring metabolism involves altered PRL action on the mammary gland and reduced milk PRL levels. *FASEB J* 32: 3457-2470, 2018. DOI: 10.1096/fj.201701154R. **FI: 5.595**
118. Castillo, X., Melo, Z., Varela-Echevarría, A., Tamáriz, E., Aroña, R.M., Arnold, E., **Clapp, C.**, Martínez de la Escalera, G. Vasoinhibins suppresses the ability of NGF and VEGF to stimulate neurite growth in rat primary sensory neurons. *Neuroendocrinology* 106: 221-233, 2018. DOI:10.1159/000477768. **FI: 6.804**
- 2017**
117. Triebel, J., Robles-Osorio, M.L., García-Franco, R., Martínez de la Escalera, G., **Clapp, C.**, Bertsch, T. From bench to bedside: translating the prolactin/vasoinhibin axis. *Frontiers in Endocrinology* 8: 342, 2017. DOI: 10.3389/fendo.2017.00342. **FI: 3.675**
116. Arredondo-Zamarripa, D., Noguez-Imm, R., Chávez-Balderas, J., Fiorio Pla, A., Gkika, D., Prevarskaya, N., Martínez-Torres, A., **Clapp, C.**, Thebault, S. Dual contribution of TRPV4 antagonism in the regulatory effect of vasoinhibins on blood-retinal barrier permeability: diabatic milieu makes a difference. *Scientific Reports* 7: 13094, 2017. doi:10.1038/s41598-017-13621-8. **FI: 5.525**
115. Triebel, J., Friedrich, C.J., Leuchs, A., Martínez de la Escalera, G., **Clapp, C.**, Bertsch, T. Human prolactin point mutations and their projected effect on vasoinhibin generation and vasoinhibin-related diseases. *Frontiers in Endocrinology* 8: 294, 2017. DOI: 10.3389/fendo.2017.00294. **FI: 3.675**
114. Triebel, J., Martínez de la Escalera, G., **Clapp, C.**, Bertsch, T. Vasoinhibins may contribute to postpartum depression. *Frontiers in Psychiatry* 8: 167, 2017. DOI: 10.3389/fpsy.2017.00167. **FI: 3.532**
113. Triebel, J., **Clapp, C.**, Martínez de la Escalera, G., Bertsch, T. Commentary: Prolactin alters blood pressure by modulating the activity of endothelial nitric oxide synthase. *Frontiers in Endocrinology* 8: 105, 2017. **FI: 3.675**
112. Ledesma-Colunga, M.G., Adan N., Ortiz, G., Solis-Gutierrez, M., López-Barrera, F., Martínez de la Escalera, G., **Clapp, C.** Prolactin blocks the expression of receptor activator of nuclear factor kB ligand and reduces osteoclastogenesis and bone loss in murine inflammatory arthritis. *Arthritis Research & Therapy* 19: 93-109, 2017. **FI: 3.900**
111. Triebel, J., **Clapp, C.**, Martínez de la Escalera, G., Bertsch, T. Remarks on the prolactin hypothesis of peripartum cardiomyopathy. *Frontiers in Endocrinology* 8: 77, 2017. **FI: 3.675**
110. Zepeda-Romero, L.C., Vázquez-Membrillo, M., Adán-Castro, E., Gómez-Aguayo, F., Gutiérrez-Padilla, J.A., Angulo-Castellanos, E., Barrera de León, J.C., González-Bernal, C., Quezada-Chalita, A., Meza-Anguiano, A., Díaz-Lezama, N., Martínez de la Escalera, G., Triebel, J., **Clapp, C.** Higher prolactin and vasoinhibin serum levels associate with incidence and progression of retinopathy of prematurity. *Pediatric Research* 81(3): 473-479, 2017. **FI: 2.761**
109. Triebel, J., **Clapp, C.**, Martínez de la Escalera, G., Bertsch, T. Vasoinhibin serum levels are required to demonstrate their role in peripartum cardiomyopathy etiopathology. *ASAIO Journal* 63: e50, 2017. **FI: 2.291**
108. Ruíz-Herrera, X., De los Ríos, E.A., Díaz, J.M., López-Barrera, F., Lemini, M., Arnold, E., Martínez de la Escalera, L., Lerma, R., Martínez de la Escalera, G., **Clapp, C.**, Macotela, Y. Prolactin promotes adipose tissue fitness and insulin sensitivity in obese males. *Endocrinology* 158 (1): 56-68, 2017. **FI: 5.045** **F1000Prime Recommended ISSN Print 0013-7227

2016

107. Triebel, J., **Clapp, C.**, Bertsch, T. Comment On: Peripartum cardiomyopathy treatment with dopamine agonist and subsequent pregnancy with a satisfactory outcome. *Revista Brasileira de Ginecologia e Obstetricia* 38(11): 580-582, 2016, DOI <http://dx.doi.org/10.1055/s-0036-1594305>. ISSN 0100-7203.
106. Meléndez García, R., Arredondo Zamarripa, D., Arnold, E., Ruiz-Herrera, X., Noguez Imm, R., Baeza Cruz, G., Adán, N., Binart, N., Riesgo-Escovar, J., Goffin, V., Ordaz, B., Peña-Ortega, F., Martínez-Torres, A., **Clapp, C.**, and Thebault, S. Prolactin protects retinal pigment epithelium by inhibiting SIRT2-dependent cell death. *EBioMedicine* 7: 35-49, 2016. [doi:10.1016/j.ebiom.2016.03.048](https://doi.org/10.1016/j.ebiom.2016.03.048) **FI: 6.49**
105. **Clapp, C.**, Adán, N., Ledesma-Colunga, M.G., Solís-Gutiérrez, M., Triebel, J., Martínez de la Escalera, G. The role of the prolactin/vasoinhibin axis in rheumatoid arthritis: An integrative overview. *Cellular and Molecular Life Sciences* 73: 2929-2948, 2016. **FI: 5.808**
104. Díaz-Lezama, N., Wu, Z., Adán-Castro, E., Vázquez-Membrillo, M., Arredondo-Zamarripa, D., Ledesma-Colunga, M.G., Moreno-Carranza, B., Martínez de la Escalera, G., Colosi, P. and **Clapp, C.** Diabetes enhances the efficacy of AAV2 vectors in the retina: therapeutic effect of AAV2 encoding vasoinhibins and soluble VEGF receptor 1. *Laboratory Investigation* 96: 283-295, 2016. **FI: 4.453**

2015

103. Triebel, J., Moreno-Vega, A.I., Vázquez-Membrillo, M., Nava, G., García-Franco, R., López-Star, E., Baldivieso-Hurtado, O., Ochoa, D., Macotela, Y., Bertsch, T., Martínez de la Escalera, G. and **Clapp, C.** High prolactin excretion in patients with diabetes mellitus and impaired renal function. *Clinical Laboratory* 61: 709-716, 2015. **FI: 1.129**
102. Triebel, J., Bertsch, T., Bolheimer, C., Ríos-Barrera, D., Pearce C.F., Hüfner, M., Martínez de la Escalera, G., **Clapp, C.** Principles of the prolactin/vasoinhibin axis. *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology* 309: R1193-R1203, 2015. **FI: 3.529**
101. Lemini, M., Ruiz-Herrera, X., Ledesma-Colunga, M.G., Díaz-Lezama, N., De los Ríos, E., López-Barrera, F., Méndez, I., Martínez de la Escalera, G., Macotela, Y. and **Clapp, C.** Prolactin anterior pituitary expression and circulating levels are reduced in obese and diabetic rats: Role of TGFβ and TNFα. *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology* 308: R792-R799, 2015. **FI: 3.529**
100. Triebel, J., Bertsch, T., Martínez de la Escalera, G. and **Clapp, C.** On the path towards classifying hormones of the vasoinhibin-family. *Frontiers in Endocrinology* 6: 1-2, 2015. **FI: 3.675**
99. **Clapp, C.**, Thebault, S., Macotela, Y., Moreno-Carranza, B., Triebel, J. and Martínez de la Escalera, G. Regulation of blood vessels by prolactin and vasoinhibins. *Advances in Experimental Medicine and Biology* 846: 83-95, 2015. **FI: 2.020**

2014

98. Arredondo, D., Díaz-Lezama, N., Meléndez, R., Chávez Balderas, J., Adán, N., Ledesma-Colunga, M.G., Arnold, E., **Clapp, C.** and Thebault, S. Vasoinhibins regulate the inner and outer blood-retinal barrier and limit retinal oxidative stress. *Frontiers in Cellular Neuroscience* Doi: 10.3389/fncel.2014.00333. **FI: 4.500**
97. Zamorano, M., Ledesma-Colunga, M.G., Adán, N., Vera-Massieu, C., Lemini, M., Méndez, I., Moreno-Carranza, B., Neumann, I.D., Thebault, S., Torner, L., Martínez de la Escalera, G. and **Clapp, C.** Vasoinhibin increases anxiety- and depression-related behaviors. *Psychoneuroendocrinology* 44: 123-132, 2014. **FI: 5.137**
96. Adán, N., Ledesma-Colunga, M.G., Reyes-López, A.L., Martínez de la Escalera, G. and **Clapp, C.** Arthritis and prolactin: A phylogenetic viewpoint. *General and Comparative Endocrinology* 203: 132-136, 2014. **FI: 2.823**
95. García, C., Nuñez-Arita, R.E., Thebault, S., Arredondo-Zamarripa, D., Jeziorski, M.C., Martínez de la Escalera, G. and **Clapp, C.** Requirement of phosphorylatable endothelial nitric oxide synthase at Ser-1177 for vasoinhibin-mediated antiangiogenic effects. *Endocrine* 45(2): 263-270, 2014. **FI: 2.250**
94. Arnold, E., Thebault, S., Baeza-Cruz, G., Quintanar-Stephano, A., Condés-Lara, M., Rojas-Piloni, G., Binart, N., Martínez de la Escalera, G. and **Clapp, C.** The hormone prolactin is a novel endogenous trophic factor able to regulate reactive glia and to limit retinal degeneration. *Journal of Neuroscience* 34: 1868-1878, 2014. **FI: 7.915**

2013

93. Lajud, N., Gonzalez-Zapien, R., Roque, A., Tinajero, E., Valdez, J.J., **Clapp, C.** and Torner L. Prolactin administration during early postnatal life decreases hippocampal and olfactory bulb neurogenesis and results in depressive-like behavior in adulthood. *Hormones and Behavior* 64: 781-789, 2013. **FI: 3.735**
92. Moreno-Carranza, B., Goya-Arce, M., Vega, C., Adán, N., Triebel, J., Lopez-Barrera, F., Quintanar-Stephano, A., Binart, N., Martínez de la Escalera, G. and **Clapp, C.** Prolactin promotes normal liver growth, survival, and regeneration in rodents: effects on hepatic IL-6, suppressor of cytokine signaling-3, and angiogenesis. *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology* 305: R720-R726, 2013. **FI: 3.058**
91. Adán, N., Guzmán-Morales, J., Ledesma-Colunga, G., Perales-Canales, S.I., Quintanar-Stephano, A., López-Barrera, F., Méndez, I., Moreno-Carranza, B., Triebel, J., Binart, N., Martínez de la Escalera, G., Thebault, S. and **Clapp, C.** Prolactin promotes cartilage survival and attenuates inflammation in rheumatoid arthritis. *Journal of Clinical Investigation* 123(9): 3902-3913, 2013. **FI: 16.559**
- 2012**
90. **Clapp, C.**, Martínez de la Escalera, L. and Martínez de la Escalera, G. Prolactin and blood vessels: a comparative endocrinology perspective. *General and Comparative Endocrinology* 176: 336-340, 2012. **FI: 3.267**
- 2011**
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