

3. Producción académica DT diciembre de 2013

3.1 Artículos científicos publicados

- 2013: Berbejillo J, Martínez-Bengochea A, Bedó G, Vizziano-Cantonnet D. Expression of *dmrt1* and *sox9* during gonadal development in the Siberian sturgeon (*Acipenser baerii*). *Fish Physiology and Biochemistry* 39(1):91-4.
- 2013: Blasco M, Somoza GM, Vizziano-Cantonnet D. Presence of 11-keto-testosterone in pre-differentiated male gonads of *Odontesthes bonariensis*. *Fish Physiology and Biochemistry* 39(1):71-4.
- 2012: Berbejillo J, Martínez-Bengochea A, Bedó G, Brunet F, Volff JN, Vizziano-Cantonnet D. Expression and phylogeny of candidate genes for sex differentiation in a primitive fish species, the Siberian sturgeon, *Acipenser baerii*. *Molecular Reproduction and Development* 79:504–516.
- 2011: Vizziano D, Anglade I., Pellegrini E, Gueguen MM, Fostier A, Guiguen Y, Kah O. Sexual dimorphism in the brain aromatase expression and activity, and in the central expression of other steroidogenic enzymes during the period of sex differentiation in monosex rainbow trout populations. *Gen Comp Endocrinol* 170: 346–355
- 2011: Berbejillo J., Martínez-Bengochea A., Bedó G., Vizziano-Cantonnet D. Molecular characterization of testis differentiation in the Siberian sturgeon, *Acipenser baerii*. *Indian J. Sci. Technol* 4 (8)(Suppl). Published by Indian Society for education and environment. ISSN: 0974-6846. pp 71- 72.
- 2011: Blasco, M., Somoza, G.M., Vizziano-Cantonnet, D. Undifferentiated gonads of pejerrey (*Odontesthes bonariensis*) larvae exposed to masculinizing temperatures produce 11-ketotestosterone when incubated with a tritiated precursor. *Indian J. Sci. Technol* 4 (8)(Suppl). Published by Indian Society for education and environment. ISSN: 0974-6846. pp 91-92
- 2011: Carnikian A., Miguez D., Vizziano-Cantonnet D. Histomorphological evaluation of Pimephales promelas male gonads after exposure to pulp mill and domestic discharges into the Uruguay river (Fray Bentos, Uruguay). *Indian J. Sci. Technol* 4 (8)(Suppl). Published by Indian Society for education and environment. ISSN: 0974-6846. pp 268, 269
- 2010: Blasco, M, Fernandino, JI, Guilgur, LG, Strüssmann, CA, Somoza, GM, Vizziano-Cantonnet, D. Molecular characterization of *cyp11a1* and *cyp11b* and their gene expression profile in pejerrey during early gonadal development. *Comp Biochem Physiol A Mol Integr Physiol.* 156(1):110-8.
- 2010: Espinoza, C., Perea a., Buitrón B, Cisneros P, Catcoparco, C, Alberro A, Vizziano, D. Inducción del desove y espermiación de anchoveta peruana *Engraulis ringens* (Jennyns) en cautiverio mediante la inyección de un análogo de GnRH. *Lat. Am. J. Aquat. Res.*, 38(2): 234 – 241.
- 2009: Calliari D, Brugnoli E, Ferrari G, Vizziano D. Phytoplankton distribution and production along a wide environmental gradient in the South-West Atlantic off Uruguay. *Hydrobiologia* 620 (1), pp. 47-61.
- 2008: Vizziano Cantonnet D, Baron D, Mahè S, Cauty Ch, Fostier A, Guiguen Y. Estrogen treatment up regulates feminine genes but does not suppress all early testicular markers during rainbow trout male to female gonadal trans-differentiation. *Journal of Molecular Endocrinology* 41 (5-6), 277-288.
- 2008: Bobe, J., Mahé, S., Nguyen, T., Rime, H., Vizziano, D., Fostier, A., Guiguen. A novel, functional and highly divergent sex hormone-binding globulin that may participate in the local control of ovarian functions in salmonids. *Endocrinology* 149(6), 2980-2989.
- 2008: Vizziano D, Baron D, Randuineau G, Mahé S, Cauty C, Guiguen Y. Rainbow trout gonadal masculinization induced by inhibition of estrogen synthesis is more physiological than masculinization induced by androgen supplementation. *Biology of Reproduction* 2008, 78: 939-946.

- 2008: Vizziano, D., Randuineau, G., Mahe, S., Cauty, Ch., Guiguen, Y. Comparison of gonadal gene expression patterns after masculinization of female Rainbow trout with an androgen or an aromatase inhibitor. *Cybium*, 32 (2) Suppl, 83-85.
- 2008: Jamin, S., Vizziano, D., Randuineau, G., Bobe, J., Lareyre, J.J., Guiguen Y. Rainbow trout anti-müllerian gene (*amh*) and its expression during sex differentiation and gametogenesis. *Cybium*, 32 (2) Suppl, 92.
- 2008: Alberro, A., Williot, P., Vizziano, D. Steroid synthesis during ovarian follicle maturation in the Siberian sturgeon *Acipenser baerii*. *Cybium*, 32 (2) Suppl, 255.
- 2008: Blasco, M., Somoza, G., Vizziano, D. Androgen synthesis in the silverside *Odontesthes bonariensis*. *Cybium*, 32 (2) Suppl, 86.
- 2008: Lareyre, J.J., Ricordel, M.J., Mahé, S., Goupil, A.S., Vizziano, D., Bobe, J., Guiguen, Y., Le Gac, F. Two new TGF beta members are restricted to the gonad and differentially expressed during sex differentiation and male gametogenesis. *Cybium*, 32 (2) Suppl, 202.
- 2008: Bobe, J., Mahé, S., Nguyen, T., Vizziano, D., Fostier, A., Guiguen, Y. Sub-functionalization of a rainbow trout divergent paralog of the Sex Hormone-Binding globulin (SHBG) results in an ovarian specific expression of a protein that could participate in the estrogenic control of ovarian functions. *Cybium*, 32 (2) Suppl, 151-152.
- 2007: Vizziano, D., Randuineau, G., Baron, D., Cauty, Ch., Guiguen, Y. Characterization of early molecular sex differentiation in rainbow trout, *Oncorhynchus mykiss*. *Developmental Dynamics*, 236: 2198-2206.
- 2006: Vizziano, D., Barrios, F., Astigarraga, I., Breton, B., Williot, P. Unusual conditions for Siberian sturgeon (*Acipenser baerii* Brandt) spawning. *Journal of Applied Ichthyology*, 22(Suppl.1): 5-11.
- 2004: García-Alonso, J.; Nappa, A.; Rey, A.; Somoza, G.M. & Vizziano, D. Steroid metabolism in vitro during final oocyte maturation in white croaker *Micropogonias furnieri* (Pisces:Sciaenidae). *Brazilian Journal of Biology*, 64 (2): 211-220.
- 2004: García-Alonso J, Vizziano D Induction of oocyte maturation in the white croaker *Micropogonias furnieri* (Pisces:Sciaenidae) by human chorionic gonadotrophin. *Brazilian Journal of Biology*, 64 (1): 73-80.
- 2003: García-Alonso, J.; Nappa, A.; Rey, A.; Somoza, G.M. & Vizziano, D. In vitro steroid metabolism during final oocyte maturation in the white croaker, *Micropogonias furnieri* (Sciaenidae). *Fish Physiology and Biochemistry*, 28 (1-4): 337-338.
- 2003: Saona G, Forni F, Vizziano D, Norbis W Estructura por tallas, sexo y estadios de madurez de la corvina blanca (*Micropogonias furnieri*, Desmarest, 1823; Teleostei: Sciaenidae) capturada de manera incidental por la pesquería artesanal en la Laguna de Rocha, Uruguay. *Ciencias Marinas*, 29(3): 315-324.
- 2002: Vizziano D, Forni F, Saona G, Norbis W Reproduction of the white croaker *Micropogonias furnieri* (Pisces:Sciaenidae) in a shallow temperate coastal lagoon of the Southern Atlantic Ocean (Uruguay). *Journal of Fish Biology*, 61(A): 196-206.
- 2001: Montaner D, Miranda LA, Vizziano D, López A, Okuzawa K, Somoza, GM Gonadotropin-releasing hormone (GnRH) molecular forms in two perciform fishes: *Micropogonias furnieri* and *Pagrus pagrus*. *Fish Physiology and Biochemistry*, 24(3): 243-246.
- 2000: Acuña A, Viana F, Vizziano D, Danulat E Reproductive cycle of female Brazilian codling *Urophycis brasiliensis* (Kaup 1858) caught off the Uruguayan coast. *Journal of Applied Ichthyology*, 16: 48-55.
- 1998: Vizziano D, Le Gac F Effect of GtH II and 17-hydroxy-4-pregnene-3,20-dione on the 17,20 β -dihydroxy-4-pregnen-3-one production by *Oncorhynchus mykiss* testes at different developmental stages. *Fish Physiology and Biochemistry*, 19:

- 269-277.
- 1996: Vizziano D, Fostier A, Le Gac F, Loir M 20 β -hydroxysteroid dehydrogenase activity in nonflagellated germ cells of rainbow trout testis. *Biology of Reproduction*, 54, 1-7.
- 1996: Vizziano D, Le Gac F, Fostier A Effects of estradiol, testosterone and 11-ketotestosterone on 17,20 β -dihydroxy-4-pregnen-3-one production in the rainbow trout testis. *General and Comparative and Endocrinology*, 104: 179-188.
- 1995: Vizziano D, Le Gac F, Fostier A Synthesis and regulation of 17 α -hydroxy-20 β -dihydroprogesterone in immature males of *Oncorhynchus mykiss*. *Fish Physiology and Biochemistry*, 14: 289-299.
- 1993: Vizziano D, López De León E, Ares L. Contribución al estudio de la biología reproductiva de la hembra de *Urophycis brasiliensis* Teleostei: Gadidae. *Boletín de La Sociedad Zoológica Del Uruguay*, v. 8 p. 159-164, 1993.
- 1991: Vizziano D, Pravia MA, López De León E, Ares L Estimación del porcentaje de atresia en los diferentes estadios ováricos de pescadilla real (*Macrodon ancylodon*). *Frente Marítimo*, 8: 69-71.
- 1991: Loir M, Labbe C, Vizziano D Steroids in seminal fluid in the rainbow trout. *General and Comparative Endocrinology*, 82: 241.
- 1990: Vizziano D, Berois N Histología del ovario de *Macrodon ancylodon*. Ovogénesis. Folículos post-ovulatorios. Atresia. *Brazilian Journal of Biology*, 50: 523-536.
- 1990: Vizziano D, Berois N Ciclo histológico del ovario de *Macrodon ancylodon* (Bloch & Schneider, 1801) (Teleostei: Sciaenidae). *Biología Pesquera*, 19: 39-47.

3.3 Capítulos de libros

- 2008: Vizziano, D., Fostier, A., Loir, M., Le Gac, F. Testis development, its hormonal regulation and spermiation induction in teleost fish. *Fish Spermatology*, (Alavi, S.M.H.; Cosson, J.J.; Coward, K.; Rafiee, G., eds). pp. 103-140. Oxford, Alpha Science International Ltd. ISBN 978-1-84265-369-2.
- 2002: The Río de la Plata. Research to manage the environment, fish resources and the fishery in the saline front. (Vizziano, D., Puig, P., Mesones, C. & Nagy, G. J. eds.). Montevideo: EcoPlata-UNESCO (ver libro a parte).

Capítulos

- 2002: Vizziano, D. Determinación del ciclo reproductivo de la corvina *Micropogonias furnieri* (Pisces: Sciaenidae) y los factores que inciden en su estacionalidad en la zona frontal del Río de la Plata. En *El Río de la Plata. Investigación para la gestión del Ambiente, los Recursos Pesqueros y la Pesquería en el Frente Salino* (Vizziano, D., Puig, P., Mesones, C. & Nagy, G. J. eds.) pp. 94-107. Montevideo: EcoPlata-UNESCO.
- 2002: Vizziano D, Saona G, Franco J, Nagy G Caracterización ambiental del área de desove de la corvina blanca *Micropogonias furnieri* en la zona frontal del Río de la Plata. En *El Río de la Plata. Investigación para la gestión del Ambiente, los Recursos Pesqueros y la Pesquería en el Frente Salino* (Vizziano, D., Puig, P., Mesones, C. & Nagy, G. J. eds.) pp. 108-125. Montevideo: EcoPlata-UNESCO.

2002: Gómez-Erache M, Lagomarsino JJ, Núñez K, Sans K, Vizziano D, Nagy GJ Producción fitoplanctónica en la zona frontal del Río de la Plata. 21-37. En: El Río de la Plata. Investigación para la gestión del Ambiente, los Recursos Pesqueros y la Pesquería en el Frente Salino (Vizziano, D., Puig, P., Mesones, C. & Nagy, G. J. eds.). Montevideo: Ecoplata-UNESCO.