

# THE LIFECYCLE LIST OF PUBLICATIONS

2015-05-28



## Research literature (A)

- A1. Servili A, Lethimonier C, Lareyre J-J, López-Olmeda JF, Sánchez-Vázquez FJ, Kah O, and Muñoz-Cueto, JA 2010. The highly conserved gonadotropin-releasing hormone-2 form acts as a melatonin-releasing factor in the pineal of a teleost fish, the European sea bass *Dicentrarchus labrax*. **Endocrinology** 151: 2265–2275.
- A2. Bouraoui L, Capilla E, Gutiérrez J and Navarro I 2010. Insulin and insulin-like growth factor I signaling pathways in rainbow trout (*Oncorhynchus mykiss*) during adipogenesis and their implication in glucose uptake. **Am J Physiol Regul Integr Comp Physiol** 299: R33–R41.
- A3. Bower NI, Garcia de la serrana, D and Johnston IA 2010. Characterisation and differential regulation of MAFbx/Atrogin-1  $\alpha$  and  $\beta$  transcripts in skeletal muscle of Atlantic salmon (*Salmo salar*). **Biochem Biophys Res Comm** 396: 265–271.
- A4. Le Page Y, Diotel N, Vaillant C, Pellegrini E, Anglade I, Mérot Y and Kah O 2010. Aromatase, brain sexualisation and plasticity: the unique case of teleost fish. **Eur J Neurosci** 32: 2105–2115.
- A5. Desvignes T, Pontarotti P and Bobe J 2010. Nme gene family evolutionary history reveals pre-Metazoan origins and high conservation between humans and the sea anemone, *Nematostella vectensis*. **PLoS ONE** 5 (11): e15506.
- A6. Wang T, Monte MM, Huang W, Boudinot P, Martin SAM and Secombes CJ 2010. Identification of two FoxP3 genes in rainbow trout (*Oncorhynchus mykiss*) with differential induction patterns. **Mol Immunol** 47: 2563–2574.
- A7. Rønnestad I, Nilsen TO, Murashita K, Angotzi AR, Gamst-Moen A-G, Stefansson SO, Kling P, Björnsson BTh and Kurokawa T 2010. Leptin and leptin receptor genes in Atlantic salmon: cloning, phylogeny, tissue distribution and expression correlated to long-term feeding status. **Gen Comp Endocrinol.** 168: 55-70.
- A8. Murashita K, Jordal A-E, Nilsen TO, Stefansson SO, Kurokawa T, Björnsson BTh, Gamst-Moen A-G and Rønnestad I 2011. Leptin reduces Atlantic salmon growth through the central pro-opiomelanocortin pathway. **Comp Physiol Biochem A.** 158: 79–86.
- A9. Gautier A, Le Gac F and Lareyre JJ 2011. The gsdf gene locus harbors evolutionary conserved and clustered genes preferentially expressed in fish previtellogenic oocytes. **Gene** 472: 7-17.
- A10. Castro R, Zou J, Secombes CJ and Martin SAM 2011. Cortisol modulates the induction of inflammatory gene expression in a rainbow trout macrophage cell line. **Fish Shellfish Immunol** 30: 215-223.
- A11. Servili A, Le Page Y, Leprince J, Caraty A, Escobar S, Parhar IS, Seong JY, Vaudry H and Kah O 2011. Organization of two independent kisspeptin systems derived from evolutionary-ancient kiss genes in the brain of zebrafish. **Endocrinology** 152: 1527-1540.

- A12. Vizziano-Cantonnet V, Anglade I, Pellegrini E, Gueguen MM, Fostier A, Guiguen Y, Kah O 2011. Sexual dimorphism in the central brain aromatase expression and activity and other steroidogenic enzymes during the period of sex differentiation in monosex rainbow trout populations. **Gen Comp Endocrinol** 170: 346-355.
- A13. Weil C, Lebret V and Gabillard JC 2011. The IGF/IGFBP system in rainbow trout (*Oncorhynchus mykiss*) adipose tissue: expression related to regional localization and cell type. **Fish Physiol Biochem** 37:843–852.
- A14. Valen R, Jordal A-EO, Murashita K and Rønnestad I 2011. Postprandial effects on appetite-related neuropeptide expression in the brain of Atlantic salmon, *Salmo salar*. **Gen Comp Endocrinol** 171: 359-366.
- A15. Rius-Francino M, Acerete L, Jiménez-Amilburu V, Capilla E, Navarro I and Gutiérrez J 2011. Differential effects on proliferation of GH and IGFs in sea bream (*Sparus aurata*) cultured myocytes. **Gen Comp Endocrinol** 172: 44-49.
- A16. Capilla E, Teles-García A, Acerete L, Navarro I and Gutiérrez J 2011 Insulin and IGF-I effects on the proliferation of an osteoblast primary culture from sea bream (*Sparus aurata*). **Gen Comp Endocrinol** 172: 107-114.
- A17. Johnston IA, Bower NI and Macqueen DJ 2011. Growth and the regulation of myotomal muscle mass in teleost fish (review). **J Exp Biol** 214: 1617-1628.
- A18. Amaral IPG and Johnston IA 2011. Insulin-like growth factor (IGF) signalling and genome-wide transcriptional regulation in fast muscle of zebrafish following a single-satiating meal. **J Exp Biol** 214: 2125-2139.
- A19. Einarsdóttir IE, Power DM, Jönsson E and Björnsson BTh 2011. Occurrence of ghrelin-producing cells, the ghrelin receptor and Na<sup>+</sup>,K<sup>+</sup>-ATPase in tissues of Atlantic halibut (*Hippoglossus hippoglossus*) during early development. **Cell Tiss Res** 344: 481-498.
- A20. Desvignes T, Fauvel C and Bobe J 2011. The *nme* gene family in zebrafish oogenesis and early development. **Naunyn-Schmied Arch Pharmacol** 384:439-449.
- A21. Cruz-Garcia L, Sánchez-Gurmaches J, Gutiérrez J, Navarro I 2011. Regulation of LXR by fatty acids, insulin, growth hormone and tumor necrosis factor- $\alpha$  in rainbow trout myocytes. **Comp Biochem Physiol A** 160: 125-36.
- A22. Skaar KS, Nóbrega RH, Magaraki A, Olsen LC, Schulz RW and Male R 2011. Proteolytically activated, recombinant anti-Müllerian hormone inhibits androgen secretion, proliferation, and differentiation of spermatogonia in adult zebrafish testis organ cultures. **Endocrinology** 152:3527-3540.
- A23. Gautier A, Sohm F, Joly J-S, Le Gac F and Lareyre J-J 2011. The proximal promoter region of the zebrafish *gsdf* gene is sufficient to mimic the spatio-temporal expression pattern of the endogenous gene in Sertoli and granulosa cells. **Biol Reprod** 85: 1240-1251.
- A24. Rescan P-Y, Ralliere, C and Lebret V 2012. N-cadherin and M-cadherin are sequentially expressed in myoblast populations contributing to the first and second waves of myogenesis in the trout (*Oncorhynchus mykiss*). **J Exp Zool (Mol Dev Evol)** 318: 71-77.
- A25. Kling P, Jönsson E, Nilsen TO, Einarsdottir IE, Rønnestad I, Stefansson SO and Björnsson BTh 2012. The role of growth hormone in growth, lipid homeostasis, energy utilization and partitioning in rainbow trout: interactions with leptin, ghrelin and insulin-like growth factor I. **Gen Comp Endocrinol** 175: 153-162.

- A26. Tena-Sempere M, Felip A, Gómez A, Zanuy S and Carrillo M 2012. Comparative insights of the kisspeptin/kisspeptin receptor system: Lessons from non-mammalian vertebrates. **Gen Comp Endocrinol** 175: 234-243.
- A27. Yano A, Nicol B, Guerin A and Guiguen Y 2011. The duplicated rainbow trout (*Oncorhynchus mykiss*) T-box transcription factors 1, *tbx1a* and *tbx1b*, are up-regulated during testicular development. **Mol Reprod Dev** 78:172-180.
- A28. Nicol B, Guerin A, Fostier A and Guiguen Y 2012. Ovary-predominant *wnt4* expression during gonadal differentiation is not conserved in the rainbow trout (*Oncorhynchus mykiss*). **Mol Reprod Dev** 79:51-63.
- A29. Diotel N, Do Rego J-L, Anglade I, Vaillant C, Pellegrini E, Gueguen M-M, Mironov S, Vaudry H and Kah O. 2011a. Activity and expression of steroidogenic enzymes in the brain of adult zebrafish. **Eur J Neurosci** 34: 45-56.
- A30. Diotel N, Do Rego J-L, Anglade I, Vaillant C, Pellegrini E, Gueguen M-M, Mironov S, Vaudry H and Kah O. 2011b. The brain of teleost fish, a source, and a target of sexual steroids. **Front Neurosci** 5: article 137.
- A31. Diotel N, Servili A, Gueguen M-M, Mironov S, Pellegrini E, Vaillant C, Zhu Y, Kah O and Anglade I 2011c. Nuclear progesterone receptors are up-regulated by estrogens in neurons and radial glial progenitors in the brain of zebrafish. **PLoS ONE** 6 (11): e28375.
- A32. Bouraoui L, Cruz-Garcia L, Gutiérrez J, Capilla E and Navarro I 2012. Regulation of lipoprotein lipase gene expression by insulin and troglitazone in rainbow trout (*Oncorhynchus mykiss*) adipocyte cells in culture. **Comp Biochem Physiol A** 161: 83-88.
- A33. Amaral IPG and Johnston IA 2012. Circadian expression of clock and putative clock-controlled genes in skeletal muscle of the zebrafish. **Am J Physiol Regul Integr Comp Physiol** 302: R193-R206.
- A34. Niklasson L, Sundh H, Fridell F, Taranger GL and Sundell K. 2011. Disturbance of the intestinal mucosal immune system of farmed Atlantic salmon (*Salmo salar*), in response to long-term hypoxic condition. **Fish Shellfish Immunol** 31: 1072-1080.
- A35. Buonocore F, Castro R, Randelli E, Lefranc MP, Six A, Kuhl H, Reinhardt R, Facchiano A, Boudinot P and Scapigliati G. 2012. Diversity, molecular characterization and expression of T cell receptor  $\gamma$  in a teleost fish, the sea bass (*Dicentrarchus labrax*, L). **PLoS ONE** 7 (10): e47957.
- A36. Fuentes EN, Einarsdottir IE, Kling P, Molina A and Björnsson BTh. 2012. Plasma leptin and growth hormone levels in the fine flounder in response to fasting and refeeding. **Gen Comp Endocrinol** 177: 120-127.
- A37. Kleppe L, Edvardsen RB, Kuhl H, Malde K, Furmanek T, Drivenes Ø, Reinhardt R, Taranger GL and Wargelius A. 2012. Maternal 3'UTRs: from egg to onset of zygotic transcription in Atlantic cod. **BMC Genomics** 13, 443: 1-15
- A38. Castro R, Takizawa F, Chaara W, Lunazzi A, Dang TH, Koellner B, Quillet E, Six A, Fischer U and Boudinot P. 2013a. Contrasted TCR $\beta$  diversity of CD8<sup>+</sup> and CD8<sup>-</sup> T cells in rainbow trout. **PLoS ONE** 8 (4): e60175.
- A39. Castro R, Jouneau L, Pham H-P, Bouchez O, Giudicelli V, Lefranc M-P, Quillet E, Benmansour A, Cazals F, Six A, Fillatreau S, Sunyer O and Boudinot P. 2013b. Teleost fish mount complex clonal IgM and IgT responses in spleen upon systemic viral infection. **PLoS Pathogens** 9: e1003098.

- A40. Fillatreau S, Six A, Magadan S, Castro R, Oriol Sunyer J and Boudinot P. 2013. The astonishing diversity of Ig classes and B cell repertoires in teleost fish. **Front Immunol** 4 article 28: 1-14.
- A41. Yano A, Guyomard R, Nicol B, Jouanno E, Quillet E, Klopp C, Cabau C, Bouchez O, Fostier A and Guiguen Y. 2012. An immune-related gene evolved into the master sex-determining gene in rainbow trout, *Oncorhynchus mykiss*. **Curr Biol** 22: 1423-1428.
- A42. Yano A, Nicol B, Jouanno E, Quillet E, Fostier A, Guyomard R and Guiguen Y. 2013. The sexually dimorphic on the Y-chromosome gene (sdY) is a conserved male-specific Y-chromosome sequence in many salmonids. **Evol Applicat** 6: 486–496.
- A43. Castro R, Bernard D, Lefranc MP, Sixc A, Benmansour A and Boudinot P. 2011. T cell diversity and TcR repertoires in teleost fish. **Fish Shellfish Immunol** 31: 644-654.
- A44. Jiménez-Amilburu V, Salmerón C, Codina M, Navarro I, Capilla E and Gutiérrez J. 2013. Insulin-like growth factors effects on the expression of myogenic regulatory factors in gilthead sea bream muscle cells. **Gen Comp Endocrinol** 188: 151–158.
- A45. Cruz-Garcia L, Sánchez-Gurmaches J, Gutiérrez J and Navarro I. 2012. Role of LXR in trout adipocytes: Target genes, hormonal regulation, adipocyte differentiation and relation to lipolysis. **Comp Biochem Physiol A** 163: 120–126.
- A46. Desvignes T, Fostier A, Fauvel C and Bobe J. 2013. The Nme gene family in fish. **Fish Physiol Biochem** 39: 53-58.
- A47. Mella-Alvarado V, Gautier A, Le Gac F and Lareyre JJ. 2013. Tissue and cell-specific transcriptional activity of the human cytomegalovirus immediate early gene promoter (UL123) in zebrafish. **Gene Expr Patterns** 13: 91-103
- A48. Nicol B, Yano A, Jouanno E, Guérin A, Fostier A and Guiguen Y. 2013. Follistatin is an early player in rainbow trout ovarian differentiation and is both colocalized with aromatase and regulated by the Wnt pathway. **Sex Dev** 7: 267-276.
- A49. Rescan PY, Montfort J, Fautrel A, Rallièrre C and Lebret V. 2013. Gene expression profiling of the hyperplastic growth zones of the late trout embryo myotome using laser capture microdissection and microarray analysis. **BMC Genomics** 14:173.
- A50. Sambroni E, Rolland A, Lareyre JJ and Le Gac F. 2013. Fsh and Lh have common and distinct effects on gene expression in rainbow trout testis. **J Mol Endocrinol** 50:1, 1-18.
- A51. Weil C, Lefèvre F and Bugeon J. 2013. Characteristics and metabolism of different adipose tissues in fish. **Rev Fish Biol Fish** 23: 157-173.
- A52. Rønnestad I, Yufera M, Ueberschär B, Ribeiro L, Sæle Ø and Boglione C. 2013. Feeding behaviour and digestion physiology in larval fish – current knowledge and gaps and bottlenecks in research. **Rev Aquacult** 5: S59-S98.
- A53. Rønnestad I and Conceição LEC 2012. Artemia protein is processed very fast in *Solea senegalensis* larvae: A dynamic simulation model. **Aquaculture** 350: 154-161.
- A54. Baudiffier D, Hinfrey N, Vosges M, Creusot N, Chadili E, Porcher JM, Schulz RW and Brion F 2012. A critical role of follicle-stimulating hormone (Fsh) in mediating the effect of clotrimazole on testicular steroidogenesis in adult zebrafish. **Toxicology** 298: 30-39.
- A55. Morais RDVS, Nóbrega RH, Gomez-Gonzales NE, Schmidt R, Bogerd J, Franca LR and Schulz RW 2013. Thyroid hormone stimulates the proliferation of Sertoli cells and single type A spermatogonia in adult zebrafish (*Danio rerio*) testis. **Endocrinology**, in press

- A56. Kleppe L, Karlsen Ø, Edvardsen RB, Norberg B, Andersson E, Furmanek T, Taranger GL and Wargelius. 2013. Cortisol treatment of prespawning female cod affects cytogenesis related factors in eggs and embryos. **Gen Comp Endocrinol** 189: 84–95.
- A57. Nicol B and Guiguen Y. 2011. Expression profiling of Wnt signaling genes during gonadal differentiation and gametogenesis in rainbow trout. **Sex Dev** 5: 318-329.
- A58. Herpin A, Adolphi MC, Nicol B, Hinzmann M, Schmidt C, Klughammer J, Engel M, Tanaka M, Guiguen Y and Schartl M. 2013. Divergent expression regulation of gonad development genes in medaka shows incomplete conservation of the downstream regulatory network of vertebrate sex determination. **Mol Biol Evol** 30: 2328–2346.
- A59. Le Cam A, Bobe J, Bouchez O, Cabau C, Kah O, Klopp C, Lareyre JJ, Le Guen I, Lluch J, Montfort J, Moreews F, Nicol B, Prunet P, Rescan PY, Servili A and Guiguen Y. 2012. Characterization of rainbow trout gonad, brain and gill deep cDNA repertoires using a Roche 454-Titanium sequencing approach. **Gene** 500: 32-39.
- A60. Rolland AD, Lardenois A, Goupil AS, Lareyre JJ, Houlgatte R, Chalmel F and Le Gac F. 2013. Profiling of androgen response in rainbow trout pubertal testis: relevance to male gonad development and spermatogenesis. **PLoS One** 8(1), e53302
- A61. Escobar S, Felip A, Gueguen MM, Zanuy S, Carrillo M, Kah O and Servili A. 2013a. Expression of kiss1 and kiss2 genes in the brain and pituitary of the European sea bass (*Dicentrarchus labrax*): Evidence for co-expression with estrogen receptors. **J Comp Neurol** 521 :933-948.
- A62. Diotel N, Vaillant C, Gabbero C, Mironov S, Fostier A, Gueguen MM, Anglade I, Kah O and Pellegrini E. 2013. Effects of estradiol in adult neurogenesis and brain repair in zebrafish. **Horm Behav** 63: 193-207.
- A63. Escobar S, Servili A, Espigares F, Gueguen MM, Brocal I, Felip A, Gómez A, Carrillo M, ZanuyS and Kah O. 2013b. Expression of kisspeptins and kiss receptors suggests a large range of functions for kisspeptin systems in the brain of the European sea bass. **Plos One** 8(7), e70177.
- A64. Boglione C, Gavaia P, Koumoundouros G, Gisbert E, Moren M, Fontagné S and Witten PE. 2013a. Skeletal anomalies in reared European fish larvae and juveniles. Part 1 normal and anomalous skeletogenic processes. **Rev Aquacult** 5 (Suppl. 1): S99–S120.
- A65. Boglione C, Gisbert E, Gavaia P, Witten PE, Moren M, Fontagné S and Koumoundouros G. 2013b. Skeletal anomalies in reared European fish larvae and juveniles. Part 2: main typologies, occurrences and causative factors. **Rev Aquacult** 5 (Suppl. 1): S121–S167.
- A66. Vieira FA, Thorne MAS, Stueber K, Darias MJ, Reinhardt R, Clark MS, Gisbert E and Power DM. 2013. Comparative analysis of a teleost skeleton transcriptome provides insight into its regulation. **Gen Comp Endocrinol** 191: 45–58.
- A67. Scott GR and Johnstone IA 2012. Temperature during embryonic development has persistent effects on thermal acclimation capacity in zebrafish. **Proc Nat Acad Sci** 109:14247-14252.
- A68. Macqueen D, Garcia de la serrana D and Johnston IA 2013. Evolution of ancient functions in the vertebrate insulin-like growth factor system uncovered by study of duplicated salmon fish genomes. **Mol Biol Evo** doi:10.1093/molbev/mst017.
- A69. Jönsson E 2013. The role of ghrelin in energy balance regulation in fish. **Gen Comp Endocrinol**. 187: 79–85.

- A70. Angotzi AR, Stefansson SO, Nilsen TO, Rathore RM and Rønnestad I. 2013. Molecular cloning and genomic characterization of novel leptin-like genes in salmonids provide new insight into the evolution of the Leptin gene family. **Gen Comp Endocrinol** 187: 48-59
- A71. Anjos LA, Gomes AS, Melo EP, Canario AVM and Power DM. 2013. Cartilage acidic protein 2, a hyperthermostable, high affinity calcium-binding protein. **Biochim Biophys Acta** 1834: 642-650.
- A72. Gautier A, Goupil AS, Le Gac F, Lareyre JJ. 2013. A promoter fragment of the sycp1 gene is sufficient to drive transgene expression in male and female meiotic germ cells in zebrafish. **Biol Reprod** 89: 1-14.
- A73. Sundell K and Sundh H. 2012. Intestinal fluid absorption in anadromous salmonids: importance of tight junctions and aquaporins. **Front Physiol** 3: 288.
- A74. Rakers S, Niklasson L, Steinhagen D, Kruse C, Schaubert J, Sundell K and Paus R. 2013. Antimicrobial peptides (AMPs) from fish epidermis: Perspectives for investigative dermatology. **J Invest Dermatol** 133: 1140–1149.
- A75. Lee, P-T, Zou J, Holland JW, Martin SAM, Kanellos T and Secombes CJ. 2013. Identification and characterization of TLR7, TLR8a2, TLR8b1 and TLR8b2 genes in Atlantic salmon (*Salmo salar*). **Dev Comp Immunol** 41: 295-305.
- A76. Martins RST, Power DM, Fuentes J, Deloffre LAM and Canário AVM. 2013. *DAX1* regulatory networks unveil conserved and potentially new functions. **Gene** 530: 66-74.
- A77. Anjos L, Gomes AS, Redruello B, Reinhardt R, Canário AV and Power DM. 2013. PTHrP-induced modifications of the sea bream (*Sparus auratus*) vertebral bone proteome. **Gen Comp Endocrinol** 191: 102-112.
- A78. Rathore RM, Angotzi AR, Jordal AE and I. Rønnestad. 2013. Cholecystokinin receptors in Atlantic salmon: Molecular cloning, gene expression and structural basis. **Physiol Reports** 1: e00069 1-14.
- A79. Sambroni E, Lareyre JJ and Le Gac F. 2013. Fsh controls gene expression in fish both independently of and through steroid mediation. **PLoS One** 8: e76684 1-14.
- A80. Trayer V, Hwang PP, Prunet P and Thermes V. 2013. Assessment of the role of cortisol and corticosteroid receptors in epidermal ionocyte development in the medaka (*Oryzias latipes*) embryos. **Gen Comp Endocrinol** 194: 152–161.
- A81. Niklasson L, Sundh H, Olsen R-E, Jutfelt F, Skjødt K, Nilsen TO, Sundell K. 2014. Cortisol effects on the intestinal mucosal immune responses during cohabitant challenge with IPNV in Atlantic salmon (*Salmo salar*). **PLoS ONE** 9: e94288 1-12.
- A82. Salmerón C, García de la serrana D, Jiménez-Amilburu V, Fontanillas R, Navarro I, Johnston IA, Gutiérrez J and Capilla E. 2013. Characterisation and expression of calpain family members in relation to nutritional status, diet composition and flesh texture in gilthead sea bream (*Sparus aurata*). **PLoS One** 8: e75349 1-15.
- A83. Kleppe L, Edvardsen RB, Furmanek T, Taranger GL and Wargelius A. 2014. Global transcriptome analysis identifies regulated transcripts and pathways activated during oogenesis and early embryogenesis in Atlantic cod. **Mol Reprod Dev** 81: 619–635.
- A84. Gomes AS, Kamisaka Y, Harboe T, Power DM, Rønnestad I 2014. Functional modifications associated with gastrointestinal tract organogenesis during metamorphosis in Atlantic halibut (*Hippoglossus hippoglossus*). **BMC Dev Biol** 14:11

- A85. Einarsdóttir IE, Gong N, Jönsson-Bergman E, Sundh H, Hasselberg Frank L, Nilsen TO, Stefanson SO, Sundell K and Björnsson BTh. 2014. Plasma growth hormone-binding protein levels in Atlantic salmon *Salmo salar* during smoltification and seawater transfer. **J Fish Biol** 85: 1279–1296.
- A86. Sundh H, Nilsen TO, Lindström J, Hasselberg-Frank L, Stefansson S, McCormick S and Sundell K. 2014. Development of intestinal ion-transporting mechanisms during smoltification and seawater acclimation in Atlantic salmon *Salmo salar* **J Fish Biol** 85: 1227–1252.
- A87. Gong N, Einarsdottir IE, Johansson M and Björnsson BTh 2013. Alternative splice variants of the rainbow trout leptin receptor encode multiple circulating leptin binding proteins. **Endocrinology** 154 :2331-2340.
- A88. Fuentes EN, Safian D, Einarsdottir IE, Valdés JA, Elorza AA, Molina A, Björnsson BTh 2013. Nutritional status modulates plasma leptin, AMPK and TOR activation, and mitochondrial biogenesis: Implications for cell metabolism and growth in skeletal muscle of the fine flounder. **Gen Comp Endocrinol** 186: 172-180.
- A89. Gong N and Björnsson BTh 2014. Leptin signaling in the rainbow trout central nervous system is modulated by a truncated leptin receptor isoform. **Endocrinology** 155: 2445-2455.
- A90. Bellaïche J, Goupil A-S, Sambroni E, Lareyre J-J and Le Gac F 2014 2Gdnf-Gfra1 pathway is expressed in a spermatogenic dependent manner and is regulated by Fsh in a fish testis **Biol Reprod** 91: 94, 1-12.
- A91. Bouleau A, Desvignes T, Traverso JM, Nguyen T, Chesnel F, Fauvel C, Bobe J 2014 Maternally inherited *npm2* mRNA is crucial for egg developmental competence in zebrafish. **Biol Reprod** 91: 43, 1–9.
- A92. Yano A, Nicol B, Jouanno E, Guiguen Y 2014 Heritable targeted inactivation of the rainbow trout (*Oncorhynchus mykiss*) master sex-determining gene using zinc-finger nucleases. **Mar Biotechnol** 16: 243–250.
- A93. Bricard Y, Rallièrè C., Leuret V, Lefevre F, Rescan P-Y 2014 Early fish myoseptal cells: Insights from the trout and relationships with amniote axial tenocytes. **PLoS One** 9: e91876 1-8.
- A94. Salmerón C, Johansson M, Angotzi AR, Rønnestad I, Jönsson E, Björnsson BTh, Gutiérrez J, Navarro I, Capilla E 2015 Effects of nutritional status on plasma leptin levels and *in vitro* regulation of adipocyte leptin expression and secretion in rainbow trout. **Gen Comp Endocrinol** 210: 114:123.
- A95. Gomes AS, Alves RN, Stueber K, Thorne MAS, Smáradóttir H, Reinhard R, Clark MS, Rønnestad I, Power DM 2014 Transcriptome of the Atlantic halibut (*Hippoglossus hippoglossus*). **Mar Genom** 18: 101-103.
- A96. Melo MC, van Dijk P, Andersson E, Nilsen TO, Fjelldal PG, Male R, Nijenhuis W, Bogerd J, de França LR, Taranger GL, Schulz RW 2015 Androgens directly stimulate spermatogonial differentiation in juvenile Atlantic salmon (*Salmo salar*) **Gen Comp Endocrinol** 211: 52-61.
- A97. Tine M, Kuhl H, Gagnaire P-A, Louro B, Desmarais E, Martins RST, Hecht J, Knaust F, Belkhir K, Klages S, Dieterich R, Stueber K, Piferrer F, Guinand B, Bierne N, Volckaert FAM, Bargelloni L, Power DM, Bonhomme F, Canario AVM, Reinhardt R 2014. European sea bass genome and its variation provide insights into adaptation to euryhalinity and speciation. **Nature Comm** DOI: 10.1038/ncomms6770.

- A98. Coumailleau P, Pellegrini E, Adrio F, Nicolas Diote N, Cano-Nicolau J, Nasri A, Vaillant C, Kah O 2014 Aromatase, estrogen receptors and brain development: The intriguing fish case. **Biochimica Biophysica Acta** 1849: 152–162.
- A99. Rescan P-Y, Rallièrè C, Lebret V, Fretaud M 2015. Analysis of muscle fibre input dynamics using a *myog:GFP* transgenic trout model. *J Exp Biol* 218: 1137-1142.
- A100. Martins RS, Pinto PI, Guerreiro PM, Zanuy S, Carrillo M, Canário AV 2014. Novel galanin receptors in teleost fish: identification, expression and regulation by sex steroids. *Gen Comp Endocrinol* 205:109-20. doi: 10.1016/j.ygcen.2014.06.030.
- A101. Espigares F, Carrillo M, Gómez A, Zanuy S 2015. The forebrain-midbrain acts as functional endocrine signaling pathway of Kiss2/Gnrh1 system controlling the gonadotroph activity in the teleost fish European sea bass (*Dicentrarchus labrax*). *Biol Reprod* 92: 70, 1–13
- A102. Escobar S, Felip A, Salah M, Zanuy S, Carrillo M 2014. Long-term feeding restriction in prepubertal male sea bass (*Dicentrarchus labrax* L.) increases the number of apoptotic cells in the testis and affects the onset of puberty and certain reproductive parameters. *Aquaculture* 433: 504–512.
- A103. Wargelius A, Furmanek T, Montfort J, Le Cam A, Kleppe L, Juanchich A, Edvardsen RB, Taranger GL, Bøbe J 2015. A comparison between egg transcriptomes of cod and salmon reveals species-specific traits in eggs for each species. *Mol Reprod Dev* DOI 10.1002/mrd.22487
- A104. Wang T, Jiang Y, Wang A, Husain M, Xu Q, Secombes CJ 2015. Identification of the salmonid IL-17A/F1a/b, IL-17A/F2b, IL-17A/F3 and IL-17N genes and analysis of their expression following in vitro stimulation and infection. *Immunogenetics* DOI 10.1007/s00251-015-0838-1.
- A105. Saraiva J, Martins R, Hubbard P C, Canário A V2015. Lack of evidence for a role of olfaction on first maturation in farmed sea bass *Dicentrarchus labrax*. *Gen Comp Endocrinol* (in press) doi:10.1016/j.ygcen.2015.02.017.
- A106. Six A, Mariotti-Ferrandiz ME, Chaara W, Magadan S, Pham H-P, Lefranc M-P, Mora T, Thomas-Vaslin V, Walczak AM, Boudinot P 2013. The past, present, and future of immune repertoire biology – the rise of next-generation repertoire analysis. *Front Immunol* 4: 413: 1-16.