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## Top 25 Hottest Articles

Biochemistry, Genetics and Molecular Biology > Comparative Biochemistry and Physiology Part D: Genomics and Proteomics  
October to December 2009



1. **Changes in Atlantic salmon (*Salmo salar*) epidermal mucus protein composition profiles following infection with sea lice (*Lepeophtheirus salmonis*)**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 3, September 2009, Pages 159-167  
Easy, R.H.; Ross, N.W.  
[Cited by Scopus \(2\)](#)

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2. **Differential protein expression in early Atlantic cod larvae (*Gadus morhua*) in response to treatment with probiotic bacteria**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 4, December 2009, Pages 249-254  
Sveinsdottir, H.; Steinarsson, A.; Gudmundsdottir, A.

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3. **Fundulus as the premier teleost model in environmental biology: Opportunities for new insights using genomics** • Review article  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 2, Issue 4, December 2007, Pages 257-286  
Burnett, K.G.; Bain, L.J.; Baldwin, W.S.; Callard, G.V.; Cohen, S.; Di Giulio, R.T.; Evans, D.H.; Gomez-Chiarri, M.; Hahn, M.E.; Hoover, C.A.; Karchner, S.I.; Katoh, F.; MacLatchy, D.L.; Marshall, W.S.; Meyer, J.N.; Nacci, D.E.; Oleksiak, M.F.; Rees, B.B.  
[Cited by Scopus \(24\)](#)

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4. **Comparative proteomics of the developing fish (zebrafish and gilthead seabream) oocytes**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 3, Issue 1, March 2008, Pages 12-35  
Ziv, T.; Gattegno, T.; Chapovetsky, V.; Wolf, H.; Barnea, E.; Lubzens, E.; Admon, A.  
[Cited by Scopus \(11\)](#)

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5. **Expressed sequence tag analysis for identification and characterization of genes related to Tributyltin (TBT) exposure in the abalone *Haliotis diversicolor supertexta***  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 4, December 2009, Pages 255-262  
Jia, X.; Zhang, Z.; Wang, G.; Zou, Z.; Wang, S.; Huang, B.; Wang, Y.

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6. **Chemical transmission in the sea anemone *Nematostella vectensis*: A genomic perspective**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 4, December 2009, Pages 268-289  
Ancill, M.

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7. **Phylogeographic genomics of mitochondrial DNA: Highly-resolved patterns of intraspecific evolution and a multi-species, microarray-based DNA sequencing strategy for biodiversity studies**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 3, Issue 1, March 2008, Pages 1-11  
Carr, S.M.; Marshall, H.D.; Duggan, A.T.; Flynn, S.M.C.; Johnstone, K.A.; Pope, A.M.; Wilkerson, C.D.  
[Cited by Scopus \(4\)](#)

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8. **TTX accumulation in pufferfish** • Review article  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 1, Issue 1, March 2006, Pages 145-152  
Noguchi, T.; Arakawa, O.; Takatani, T.  
[Cited by Scopus \(2\)](#)

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9. **The complete mitogenome of the hydrothermal vent crab *Xenograpsus testudinatus* (Decapoda, Brachyura) and comparison with brachyuran crabs**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 4, December 2009, Pages 290-299  
Ki, J.S.; Dahms, H.U.; Hwang, J.S.; Lee, J.S.

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10. **Gene expression profile of grass shrimp *Palaemonetes pugio* exposed to chronic hypoxia**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 3, September 2009, Pages 196-208  
Li, T.; Brouwer, M.

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11. **The dog: A powerful model for studying genotype-phenotype relationships** • Review article  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 3, Issue 1, March 2008, Pages 67-77  
Galibert, F.; Andre, C.

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12. **The Australian fresh water isopod (Phreatoicoidea: Isopoda) allows insights into the early mitogenomic evolution of isopods**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*  
Kilpert, F.; Podsiadlowski, L.

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13. **Proteome modifications of juvenile beluga (*Huso huso*) brain as an effect of dietary methylmercury**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 4, December 2009, Pages 243-248  
Keyvanshokoo, S.; Vaziri, B.; Gharaei, A.; Mahboudi, F.; Esmaili-Sari, A.; Shahriari-Moghadam, M.

- 14. ReproArray<sup>AGATS</sup>: A cDNA microarray for identification of reproduction-related genes in the giant tiger shrimp *Penaeus monodon* and characterization of a novel nuclear autoantigenic sperm protein (NASP) gene**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 2, June 2009, Pages 90-99  
Karoonthaisiri, N.; Sittikankeaw, K.; Preechaphol, R.; Kalachikov, S.; Wongsurawat, T.; Uawisetwathana, U.; Russo, J.J.; Ju, J.; Klinbunga, S.; Kirtikara, K.
- 15. Chasing relationships between nutrition and reproduction: A comparative transcriptome analysis of hepatopancreas and testis from *Eriocheir sinensis***  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 3, September 2009, Pages 227-234  
Jiang, H.; Yin, Y.; Zhang, X.; Hu, S.; Wang, Q.  
[Cited by Scopus \(1\)](#)
- 16. Salmon spawning migration: Metabolic shifts and environmental triggers**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 2, June 2009, Pages 75-89  
Miller, K.M.; Schulze, A.D.; Ginther, N.; Li, S.; Patterson, D.A.; Farrell, A.P.; Hinch, S.G.  
[Cited by Scopus \(1\)](#)
- 17. Gene discovery from an ovary cDNA library of oriental river prawn *Macrobrachium nipponense* by ESTs annotation**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 2, June 2009, Pages 111-120  
Wu, P.; Qi, D.; Chen, L.; Zhang, H.; Zhang, X.; Guang Qin, J.; Hu, S.  
[Cited by Scopus \(1\)](#)
- 18. Comparative genomics and proteomics of vertebrate diacylglycerol acyltransferase (DGAT), acyl CoA wax alcohol acyltransferase (AWAT) and monoacylglycerol acyltransferase (MGAT)**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*  
Holmes, R.S.
- 19. Comparative analysis on gene expression profiles in cattle subcutaneous fat tissues**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 3, Issue 4, December 2008, Pages 251-256  
Taniguchi, M.; Guan, L.L.; Basarab, J.A.; Dodson, M.V.; Moore, S.S.  
[Cited by Scopus \(3\)](#)
- 20. Bioinformatic analysis of expressed sequence tags from grass shrimp *Palaemonetes pugio* exposed to environmental stressors**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 3, September 2009, Pages 187-195  
Li, T.; Brouwer, M.  
[Cited by Scopus \(1\)](#)
- 21. Analysis of *Sus scrofa* liver proteome and identification of proteins differentially expressed between genders, and conventional and genetically enhanced lines**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 3, Issue 3, September 2008, Pages 234-242  
Golovan, S.P.; Hakimov, H.A.; Verschoor, C.P.; Walters, S.; Gadish, M.; Elsik, C.; Schenkel, F.; Chiu, D.K.Y.; Forsberg, C.W.  
[Cited by Scopus \(1\)](#)
- 22. Evolutionary analysis of orthologous cDNA sequences from cultured and symbiotic dinoflagellate symbionts of reef-building corals (Dinophyceae: Symbiodinium)**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 4, Issue 2, June 2009, Pages 67-74  
Voolstra, C.R.; Sunagawa, S.; Schwarz, J.A.; Coffroth, M.A.; Yellowlees, D.; Leggat, W.; Medina, M.  
[Cited by Scopus \(2\)](#)
- 23. Mammalian carboxylesterase 5: Comparative biochemistry and genomics** • Review article  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 3, Issue 3, September 2008, Pages 195-204  
Holmes, R.S.; Cox, L.A.; VandeBerg, J.L.  
[Cited by Scopus \(4\)](#)
- 24. Use of microarray analysis to study gene expression in the avian epiphyseal growth plate**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*  
Horvat-Gordon, M.; Praul, C.A.; Ramachandran, R.; Bartell, P.A.; Leach, R.M.
- 25. Structure and regulation of the cystic fibrosis transmembrane conductance regulator (CFTR) gene in killifish: A comparative genomics approach**  
*Comparative Biochemistry and Physiology Part D: Genomics and Proteomics*, Volume 3, Issue 2, June 2008, Pages 172-185  
Singer, T.D.; Keir, K.R.; Hinton, M.; Scott, G.R.; McKinley, R.S.; Schulte, P.M.  
[Cited by Scopus \(1\)](#)