

FISH BIOLOGY CONGRESS X: List of Posters

Anthropogenic Noise

1. SEX PHEROMONE RESEARCH OF WHITE STURGEON ACIPENSER TRANSMONTANUS Junho, E., David, A.C., and Sang-Seon, Y.

Climate Change

2. INFLUENCE OF SEASONALITY ON THE HAEMATOLOGICAL PARAMETERS OF A NATIVE SPECIES JUNDIÁ (RHAMDIS QUELEN) FREDIANELLI, A. C., GALEB, L.A.G. MONTANHA, F. P., COATTI, D.C., WAGNER, R., FAM, A.L. P.A., KIRSCHINIK, P.G., and PIMPAO, C.T.
3. PHYSIOLOGICAL IMPLICATIONS OF HYPOXIC CONDITIONS FOR JUVENILE ROCKFISH, SEBASTES MYSTINUS Litvin, S.Y., Beers, J.M., Somero, G.N., and Micheli, F.
4. THE UPPER THERMAL TOLERANCE OF COLORADO RIVER CUTTHROAT TROUT: ACCLIMATION TEMPERATURE AND SOURCE POPULATION EFFECTS Myrick, C.A., Underwood, Z.E., Rogers, K.B.

Fish Cell Cultures

5. THE SAF-1 CELL LINE: A SUITABLE IN VITRO MODEL FOR STUDYING INTERACTIONS BETWEEN THE GH-IGF AND TGF-BETA SUPERFAMILY SYSTEMS IN FISH Funkenstein, B., Dyman, A., Iosifzon, V., Balas, V., Rebhan, Y., and Nadjar-Boger, E.
6. DEVELOPMENT FROM JUVENILE WALLEYE, SANDER VITREUS, OF A MYOGENIC CELL LINE FROM PRIMARY CULTURES OF THE GILL Vo, N.T.K., Schleicher, K.L., Lee, L.E.J., Lumsden, J.S., and Bols, N.C.
7. SUBCULTURE OF FIN EXPLANTS: A POWERFUL OPTIMIZATION OF FIN CELL PRODUCTION FOR CRYOBANKING PURPOSES Chênais, N and Labbé, C
8. NUTRITIONAL STATE MODULATES GROWTH HORMONE-STIMULATED INSULIN-LIKE GROWTH FACTOR HORMONE SENSITIVE LIPASE mRNA EXPRESSION Wallock C.N., Bergan H.E., Sheridan M.A.

Fish in a Toxic World

9. INFLUENCE OF LED-RADIATION RED REGION ON TOXICITY OF LARVA STURGEON FISHES Barulin, N.V., and Plavskii V.Yu.
10. GENOTOXIC EFFECTS IN Centropomus parallelus EXPOSED TO WATER-SOLUBLE FRACTION OF PETROLEUM Medeiros, L. C. C., Simões, L. N., Baroni V. D., Domingues, F. C., Melo, C.P., Lima, H.S., Gomes, L.C., Chippari-Gomes, A.R.
11. IN SILICO IDENTIFICATION OF DAPHNIA PULEX MIRNAS Chen, S., McKinney, G.J., Nichols, K.M., and Sepulveda, M.S.
12. PHARMACEUTICALS AND PERSONAL CARE PRODUCTS ON THE BACA NATIONAL WILDLIFE REFUGE, COLORADO, AND THEIR EFFECTS ON NATIVE FISH Zenobio, J.Z, Sanchez, B.C., Archuleta, L.C., Leet, J.K., and Sepulveda, M.S.
13. FATTY ACIDS COMPOSITION IN XIPHOPHORUS HELLERI (POECILIIDAE: CYPRINODONTIFORMES) IN EXPOSURE TO ALUMINIUM IN ACIDIC pH Kida, B. M. S., Vieira, V. R. O., Moreira, R. G., Correia, T. G.
14. STRESS RESPONSE OF RED PIRANHA, Pygocentrus Nattereri TO ANGLING CAPTURE: EFFECT OF FIGHT AND AIR EXPOSURE TIME Lorena, C.O.S., Danielle, N.P., Charles D., Marcelo Renan D.S., Levy C.G.
15. ALUMINIUM AS BLOCKER RESPONSE OF OVARIAN STEROIDS OF OREOCHROMIS NILOTICUS Narcizo, A.M., Moreira, R.G.

16. BRANCHIAL ALTERATIONS CAUSED BY EXPOSURE TO METALS IN ASTYANAX BIMACULATUS (TELEOSTEI: CHARACIFORMES) MATURE FEMALES Vieira, V.A.R.O., Correia, T.G., Moreira, R.G
17. ENVIRONMENTALLY RELEVANT LEVELS OF THE ANTIDEPRESSANT VENLAFAXINE DISRUPT THE STRESS RESPONSE TO PHYSICAL AND SOCIAL STRESSORS IN RAINBOW TROUT Best, C., Melnyk-Lamont, N., and Vijayan, M.M.
18. MICRO-MOLAR CONCENTRATIONS OF ENVIRONMENTAL NITRITE ACUTELY AFFECT NITROGEN EXCRETION IN FRESHWATER FISH Uliano, E., and Agnisola, C.
19. ACUTE EFFECTS OF ENVIRONMENTAL NITRITE ON ARGINASE ACTIVITY IN GOLDFISH (CARASSIUS AURATUS) TISSUES Uliano, E., Negri, A. and Agnisola, C.

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20. VOLUME CHANGES IN ERYTHROCYTES OF SCORPAENA PORCUS L. DURING HYPOXIA (EXPERIMENTS IN VITRO) Andrieieva O.
21. BEHAVIORAL AVOIDANCE OF LOW SALINITY CONDITIONS BY ESTUARINE LEOPARD SHARKS Dowd, W. W.
22. OVERWINTERING DYNAMICS IN NORTHERN STREAM FISHES Leonard, J.B.K., Gagnon, C.R., Haavisto, J.J., Guth, R.A.

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23. DIVERSITY IN MIGRATORY PATTERNS AMONG NEOTROPICAL FISHES IN THE HIGHLY REGULATED PARANÁ RIVER BASIN Makrakis, M.C., Miranda, L.E., Makrakis, S., Fontes Júnior, H.M., Morlis, W.G., Dias, J.H.P., and Garcia, J.O.
24. COLUMBIA RIVER BASIN STEELHEAD KELT RECONDITIONING: REPRODUCTIVE DEVELOPMENT, ENERGY STORES, AND POST-RELEASE MIGRATION OF LONG-TERM RECONDITIONED FEMALE KELTS IN THE YAKIMA RIVER Pierce AL, Boyce J, Cavileer TD, Caldwell LC, Blodgett JW, Bosch WJ, Fast DE, Branstetter R, Hatch DR, Nagler JJ

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25. INFLUENCE OF OMEGA-3 IN TAMBAQUI (COLOSSOMA MACROPOMUM) HEMATOLOGY Aride, P.H.R., Nozawa, S.R., Miranda, A., Ferreira, M.S., Ribeiro, G.A.A., Pantoja, J., Miranda, S.
26. NUTRITIONAL STATUS MODULATES THE LEPTIN/AMPK PATHWAY LINKED TO MITOCHONDRIAL BIOGENESIS AND PROTEIN SYNTHESIS: IMPLICATIONS IN CELLULAR METABOLISM AND GROWTH IN THE SKELETAL MUSCLE OF THE FINE FLOUNDER Fuentes, E.N., Safian, D., Kling, P., Einarsdottir, I.E., Elorza, A., Valdes, J.A., Molina, A., and Björnsson, B.Th.
27. DIETARY PROTEIN REQUIREMENTS OF A NEW AQUACULTURE CANDIDATE IN CHILE – EGINOPS MACLOVINUS Sa, R.
28. DYNAMIC TRANSCRIPTIONAL REGULATION OF AUTOCRINE/PARACRINE IGF1, 2, 3, 4, 5 AND 6 IN THE SKELETAL MUSCLE OF FINE FLOUNDER DURING DIFFERENT NUTRITIONAL STATUSES Safian, D., Fuentes, E.N., Valdés, J.A. and Molina A.

General Contributed Papers

29. THE ICTHYOFAUNA OF DRENICA RIVER (KOSOVO) Maxhuni, Q., Ferizi, Rr., Hashani, Z.
30. STUDIES ON FISH DIVERSITY IN THE SEAS SURROUNDING ZHONGSHAN STATION, ANTARCTICA IN THE AUSTRAL SUMMER 2011 Xu, Q., Gu, M., and Chen, L.

31. INVESTIGATIONS OF TRUNK MUSCLES OF CROWNER (TRIGLA LYRA, LINNAEUS 1758) Nejedli, S., Kozari, Z., Matain, Ā., Tlak Gajger, I., and Nejedli, D.
32. EARLY SEX INVERSION OF THE ASIAN SEA BASS REARED IN A FRESHWATER INTENSIVE SYSTEM Horvath, A., Szentes, K., Szabo, T., Csorbai, B., Borbely, Gy., Bernath, G. and Urbanyi, B.
33. HYPOPHYSECTOMY AND GROWTH HORMONE REPLACEMENT ELICIT TISSUE-SPECIFIC RESPONSES BY THE GROWTH HORMONE (GH)/INSULIN-LIKE GROWTH FACTOR (IGF) SYSTEM IN MOZAMBIQUE TILAPIA Breves, J.P., Seale, A.P., Tipsmark, C.K., Stagg, J.J., Moorman, B.P., Lerner, D.T., and Grau, E.G.
34. GROWTH HORMONE INCREASES MYOGENIC PRECURSOR CELL COUNTS AMONG DANIONINAE SPECIES, REGARDLESS OF GROWTH PARADIGM Fowler, Z.G., Remily, E.A., Romero, S.R., Froehlich, J.M., Galt, N.J., and Biga, P.R.
35. INVOLVEMENT OF BETA3 ADRENERGIC RECEPTORS IN CARDIOVASCULAR REGULATION IN RAINBOW TROUT (ONCORHYNCHUS MYKISS) Petersen, L.H., Needham, S., Burleson, M., and Huggett, D.B.

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37. ENERGETIC RESERVES IN MATRINXÃ Brycon cephalus (CHARACIFORMES: CHARACIDAE) AFTER FASTING AND REFEEDING IN WINTER AND SUMMER. Garcia, C. E.O. Narcizo, A.,M.,Carneiro, N.M., Moreira, R.G.
38. SEX CHANGE OF FEMALES DUSKY GROUPER (Epinephelus marginatus) BY NONSTEROIDAL AROMATASE INHIBITOR (LETROZOLE) Garcia, C.E.O., Rodrigues-Filho, J.A., Mello, P.H., Araújo, B.C., Moreira, R.G.
39. ORAL ADMINISTRATION OF LACTOFERRIN AND A MINERAL MIXTURE FROM WILD PLANTS ENHANCES DISEASE RESISTANCE AGAINST BACTERIAL AND PARASITIC INFECTIONS Kakuta, I., and Takase, K.
40. SOME ANTIDIABETIC DRUGS AND NATURAL MATERIALS ADMINISTERED ORALLY IMPROVE THE UTILIZATION OF GLUCOSE IN TELEOST FISH Takase, K., and Kakuta, I.
41. INVESTIGATING THE ROLE OF MYOSTATIN IN RAINBOW TROUT THROUGH THE USE OF EXOGENOUS GROWTH HORMONE Jaffe, I.M., and Bradley, T.M.
42. TISSUE-SPECIFIC EFFECTS OF FEEDING STATUS ON THE GROWTH HORMONE/INSULIN-LIKE GROWTH FACTOR SYSTEM IN MOZAMBIQUE TILAPIA (OREOCHROMIS MOSSAMBICUS) Stough, B.A., Seale, A.P., Flack B.R., Lerner, D.T., Grau, E.G., and Tipsmark, C.K.

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48. MORPHOLOGICAL CHANGES IN GILL MITOCHONDRIA-RICH CELLS IN JAPANESE EEL Seo, M.Y., and Kaneko, T
49. THE REPERTOIRE OF THE NA, K-ATPASE SYSTEM IN ATLANTIC COD (GADUS MORHUA): TISSUE DISTRIBUTION AND DIFFERENTIAL EXPRESSION IN RESPONSE TO ALTERED SALINITY Nilsen, T.O., Sundh, H., Andersen, O., Sundell, K., Handeland, S.O., Ebbesson, L.O., Stefansson, S.O.
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59. THE EFFECTS OF AN ACUTE STRESS ON MYOSTATIN GENE EXPRESSION IN RAINBOW TROUT (*ONCORHYNCHUS MYKISS*) Franzen, B.M., Galt, N.J., Froehlich, J.M., and Biga, P.R.
60. PRELIMINARY ASSESSMENT OF THE FISHING-INDUCED STRESS RESPONSE AND POST-RELEASE MORTALITY IN SANDBAR (*CARCHARHINUS PLUMBEUS*) AND DUSKY (*CARCHARHINUS OBSCURUS*) SHARKS (FAMILY *CARCHARHINIDAE*) Marshall, H., Brill, R., Bushnell, P., Skomal, G., and Bernal, D.
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62. MRNA EXPRESSION OF NA⁺/K⁺ ATPASE ISOFORMS FOLLOWING SWIMMING CHALLENGES IN *ONCORHYNCHUS MYKISS* Alonge, M.M., Richards, J.G., Schulte, P.M. and Bystriansky, J.S.

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63. EVALUATION OF ARTIFICIAL MARKERS FOR MONITORING HATCHERY RELEASES OF JUVENILE BURBOT (*LOTA LOTA*) IN THE LOWER KOOTENAI RIVER Ashton, N.K.

64. SURVIVAL AND RETENTION RATES FOR BURBOT (LOTA LOTA) FOLLOWING SURGICAL IMPLANTATION OF PASSIVE INTEGRATED TRANSPONDERS Gardunio, E.I., Underwood, Z.E., and Myrick, C.A.

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