DESCRIPTION

Comparative Biochemistry & Physiology (CBP) publishes papers in comparative, environmental and evolutionary physiology.

Part B: Biochemical and Molecular Biology, focuses on biochemical physiology, primarily bioenergetics/energy metabolism, cell biology, cellular stress responses, enzymology, intermediary metabolism, macromolecular structure and function, gene regulation, evolutionary genetics. Most studies focus on biochemical or molecular analyses that have clear ramifications for physiological processes. All four CBP journals, receive editorial direction from all the major societies in the field European Society for Comparative Physiology and Biochemistry, Chinese Association for Physiological Sciences, Japanese Society for Comparative Physiology and Biochemistry, Canadian Society of Zoologists (CBP Section), Society for Experimental Biology, (formerly the American Society for Zoologists) Society for Integrative and Comparative Biology, Australian and New Zealand Society for Comparative Physiology and Biochemistry, Russian Physiological Society.

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Fish endocrinology and reproduction, Sex determination and differentiation, Sex steroids

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Metabolic rate, thermogenesis, thermoregulation, thermal physiology, energy metabolism, mammals

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Marine Genomics, Genome Sequencing, Genotyping, Gene Expression, Epigenetics, Evolution, Shellfish

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muscle biochemistry, environmental adaptation, marine genomics and biotechnology

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Genomics, comparative genomics

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Comparative physiology, amphibians and reptiles, metabolism, thermoregulation, water and solute balance, phylogenetic methods, biostatistics

Tianjun Xu, Shanghai Ocean University, Shanghai, China
Innate immune; Signaling pathway; Molecular regulation; Immune gene evolution; Non-coding RNA; microRNA

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Oxidative stress
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