

117  
C74/B

VOLUME 164A, ISSUE 2

FEBRUARY 2013

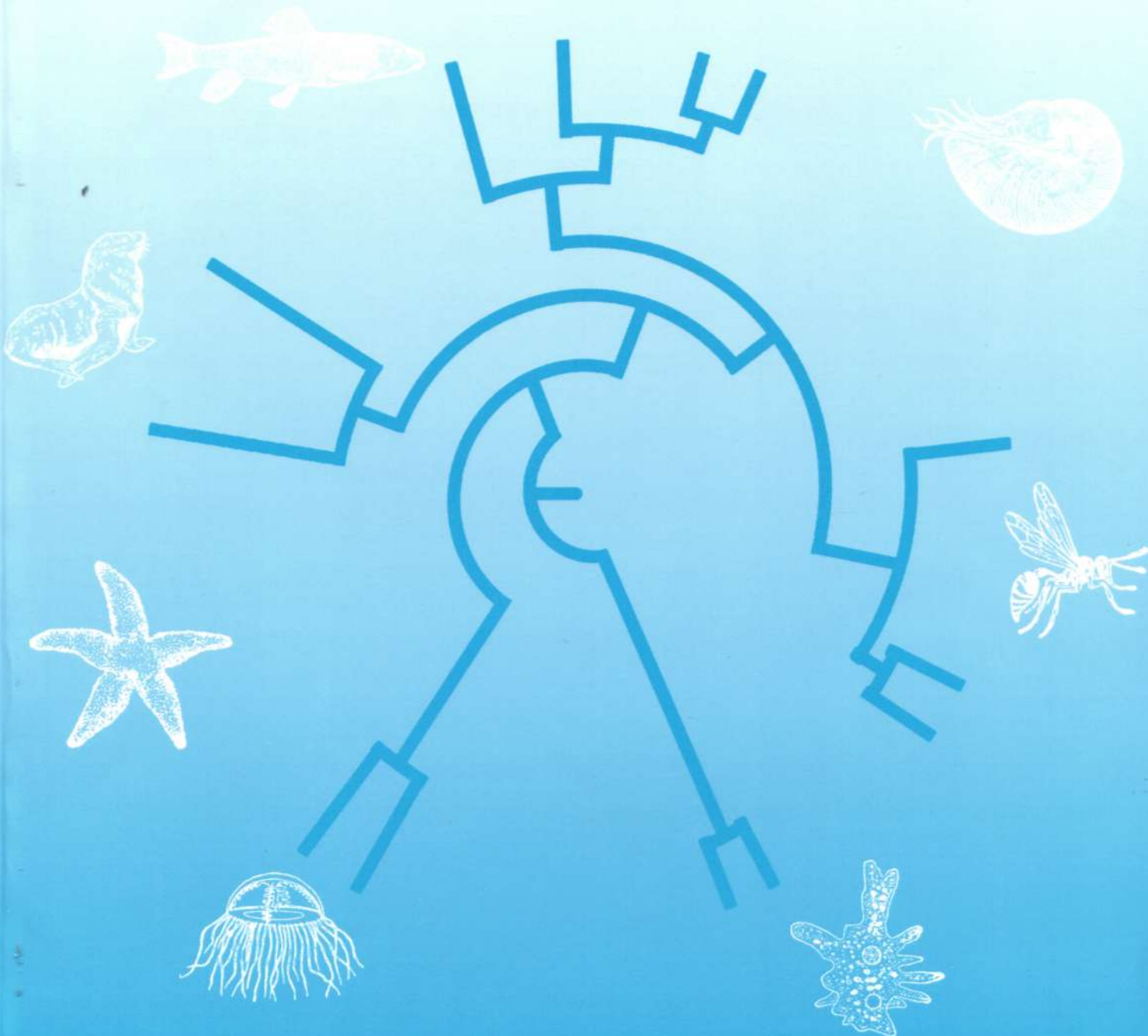
ISSN: 1095-6433



# COMPARATIVE BIOCHEMISTRY AND PHYSIOLOGY

# CBP

Molecular &  
Integrative  
Physiology



## Contents

- M. Zeman, P. Skrobanek and M. Okuliarova 271 Genetic differences in yolk testosterone levels influence maternal hormone deposition in the second laying cycle in Japanese quails
- M.J. Stewart, P. Stewart, M. Sroyraya, N. Soonklang, S.F. Cummins, P.J. Hanna, W. Duan and P. Sobhon 276 Cloning of the crustacean hyperglycemic hormone and evidence for molt-inhibiting hormone within the central nervous system of the blue crab *Portunus pelagicus*
- L.H. Petersen, S.L. Needham, M.L. Burleson, M.D. Overturf and D.B. Huggett 291 Involvement of  $\beta_3$ -adrenergic receptors in in vivo cardiovascular regulation in rainbow trout (*Oncorhynchus mykiss*)
- J.-A. Xian, Y.-T. Miao, B. Li, H. Guo and A.-L. Wang 301 Apoptosis of tiger shrimp (*Penaeus monodon*) haemocytes induced by *Escherichia coli* lipopolysaccharide
- J. Ayala-Berdon, N. Rodríguez-Peña, C. García Leal, K.E. Stoner and J.E. Schondube 307 Sugar gustatory thresholds and sugar selection in two species of Neotropical nectar-eating bats
- I. Peña-Villalobos, F. Valdés-Ferranty and P. Sabat 314 Osmoregulatory and metabolic costs of salt excretion in the Rufous-collared sparrow *Zonotrichia capensis*
- P. Steuer, K.-H. Südekum, D.W.H. Müller, J. Kaandorp, M. Clauss and J. Hummel 319 Fibre digestibility in large herbivores as related to digestion type and body mass — An in vitro approach
- L.-J. Lin, Y.-J. Chen, Y.-S. Chang and C.-Y. Lee 327 Neuroendocrine responses of a crustacean host to viral infection: Effects of infection of white spot syndrome virus on the expression and release of crustacean hyperglycemic hormone in the crayfish *Procambarus clarkii*
- K. Teranishi, M. Mekuchi and T. Kaneko 333 Expression of sodium/hydrogen exchanger 3 and cation-chloride cotransporters in the kidney of Japanese eel acclimated to a wide range of salinities
- S.A. Higgins and D.L. Swanson 344 Urea is not a universal cryoprotectant among hibernating anurans: Evidence from the freeze-tolerant boreal chorus frog (*Pseudacris maculata*)

Contents continued on inside back cover

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

164A (2) 271–428 (2013)

SciVerse ScienceDirect



1095-6433(201302)164:2;1-M



- E.R. Price, A. Brun, V. Fasulo, W.H. Karasov and E. Caviedes-Vidal** 351 Intestinal perfusion indicates high reliance on paracellular nutrient absorption in an insectivorous bat *Tadarida brasiliensis*
- D. Amelio, F. Garofalo, C. Capria, B. Tota and S. Imbrogno** 356 Effects of temperature on the nitric oxide-dependent modulation of the Frank-Starling mechanism: the fish heart as a case study
- L.A. Alton, S.J. Portugal and C.R. White** 363 Balancing the competing requirements of air-breathing and display behaviour during male–male interactions in Siamese fighting fish *Betta splendens*
- X.-g. Li, X.-l. Chen and X.-q. Wang** 368 Changes in relative organ weights and intestinal transporter gene expression in embryos from white Plymouth Rock and WENS Yellow Feather Chickens
- S. Carboni, A.D. Hughes, T. Atack, D.R. Tocher and H. Migaud** 376 Fatty acid profiles during gametogenesis in sea urchin (*Paracentrotus lividus*): Effects of dietary inputs on gonad, egg and embryo profiles
- J.M. Grim, E.A. Simonik, M.C. Semones, D.E. Kuhn and E.L. Crockett** 383 The glutathione-dependent system of antioxidant defense is not modulated by temperature acclimation in muscle tissues from striped bass, *Morone saxatilis*
- S. Rajpurohit, O. Nedved and A.G. Gibbs** 391 Meta-analysis of geographical clines in desiccation tolerance of Indian drosophilids
- M.B. Betancor, M. Izquierdo, G. Terova, E. Preziosa, R. Saleh, D. Montero, C.M. Hernández-Cruz and M<sup>a</sup>.J. Caballero** 399 Physiological pathways involved in nutritional muscle dystrophy and healing in European sea bass (*Dicentrarchus labrax*) larvae
- J.W. Luo, Z.L. Zhou, H. Zhang, R.S. Ma and J.E. Hou** 410 Bone response of broiler chickens (*Gallus gallus domesticus*) induced by corticosterone
- B.S. Kamalam, S. Panserat, P. Aguirre, I. Geurden, S. Fontagné-Dicharry and F. Médale** 417 Selection for high muscle fat in rainbow trout induces potentially higher chylomicron synthesis and PUFA biosynthesis in the intestine