

## Contents Volume 208 (23) 2005

### ▼Inside JEB

**Dorsal Fin Stabilises Trout i; Detox For Insects i;  
Insecticide Targets Mechanosensory Cells ii; Echo-  
Orientation iii**

### Outside JEB

**Walk This Way iv; Sliding Uphill v; A Tonic For  
Unpalatable Food? v; Excitotoxic Cell Death Denied vi;  
Chilly Waters, Hot Sharks vii**

### Review Article

**Heyland, A. and Moroz, L. L.** Cross-kingdom hormonal signaling: an insight from thyroid hormone functions in marine larvae. 4355-4361

### Research Articles

► **Leader, J. P. and O'Donnell, M. J.** Transepithelial transport of fluorescent p-glycoprotein and MRP2 substrates by insect Malpighian tubules: confocal microscopic analysis of secreted fluid droplets. 4363-4376

**Robilliard, J. J. and Wilson, A. M.** Prediction of kinetics and kinematics of running animals using an analytical approximation to the planar spring-mass system. 4377-4389

**Svensson, P. A., Forsgren, E., Amundsen, T. and Nilsson Sköld, H.** Chromatic interaction between egg pigmentation and skin chromatophores in the nuptial coloration of female two-spotted gobies. 4391-4397

► **Jensen, M. E., Moss, C. F. and Surlykke, A.** Echolocating bats can use acoustic landmarks for spatial orientation. 4399-4410

**Nakajima, A., Morita, M., Takemura, A., Kanimura, S. and Okuno, M.** Increase in intracellular pH induces phosphorylation of axonemal proteins for activation of flagellar motility in starfish sperm. 4411-4418

**Michelena, P., Henric, K., Angibault, J.-M., Gautrais, J., Lapeyronie, P., Porter, R. H., Deneubourg, J.-L. and Bon, R.** An experimental study of social attraction and spacing between the sexes in sheep. 4419-4426

**Kefaloyianni, E., Gourgou, E., Ferle, V., Kotsakis, E., Gaitanaki, C. and Beis, I.** Acute thermal stress and various heavy metals induce tissue-specific pro- or anti-apoptotic events via the p38-MAPK signal transduction pathway in *Mytilus galloprovincialis* (Lam.). 4427-4436

**Williams, J. B. and Lee, R. E., Jr** Plant senescence cues entry into diapause in the gall fly *Eurosta solidaginis*: resulting metabolic depression is critical for water conservation. 4437-4444

**Dai, J. G., Min, J. X., Xiao, Y. B., Lei, X., Shen, W. H. and Wei, H.** (2005). The absence of mitochondrial DNA diversity among common laboratory inbred mouse strains. 4445-4450

► **Ausborn, J., Wolf, H., Mader, W. and Kayser, H.** The insecticide pymetrozine selectively affects chordotonal mechanoreceptors. 4451-4466

**Bennett, V. A., Sformo, T., Walters, K., Toien, O., Jeannet, K., Hochstrasser, R., Pan, Q., Serianni, A. S., Barnes, B. M. and Duman, J. G.** Comparative overwintering physiology of Alaska and Indiana populations of the beetle *Cucujus clavipes* (Fabricius): roles of antifreeze proteins, polyols, dehydration and diapause. 4467-4477

► **Drucker, E. G. and Lauder, G. V.** Locomotor function of the dorsal fin in rainbow trout: kinematic patterns and hydrodynamic forces. 4479-4494

**Marais, E., Klok, C. J., Terblanche, J. S. and Chown, S. L.** Insect gas exchange patterns: a phylogenetic perspective. 4495-4507

**Herring, S. W., Pedersen, S. C. and Huang, X.** Ontogeny of bone strain: the zygomatic arch in pigs. 4509-4521

**Golding, Y. C., Edmunds, M. and Ennos, A. R.** Flight behaviour during foraging of the social wasp *Vespa vulgaris* (Hymenoptera: Vespidae) and four mimetic hoverflies (Diptera: Syrphidae) *Sericomyia silentis*, *Myathropa florea*, *Helophilus* sp. and *Syrphus* sp. 4523-4527

**Bonine, K. E., Gleeson, T. T. and Garland, T., Jr** Muscle fiber-type variation in lizards (Squamata) and phylogenetic reconstruction of hypothesized ancestral states. 4529-4547

**Morita, M., Fujinoki, M. and Okuno, M.** K<sup>+</sup>-independent initiation of motility in chum salmon sperm treated with an organic alcohol, glycerol. 4549-4556

► **Bell, H. A., Marrs, G. C., Prickett, A. J. and Edwards, J. P.** Influence of host size on the clutch size and developmental success of the gregarious ectoparasitoid *Eulophus pennicornis* (Nees) (Hymenoptera: Braconidae) attacking larvae of the tomato moth *Lacanobia oleracea* (L.) (Lepidoptera: Noctuidae) (Corrigendum). 4557

► Article featured 'Inside JEB'