



Cover: Adult king penguin (*Aptenodytes patagonicus*) stretching at the front of a breeding penguin colony on Possession Island in the Crozet Archipelago. Viblanc et al. (pp. 1686–1692) measured acute heart rate stress responses of breeding king penguins to experimental stressors throughout the breeding season. They found that fight-or-flight responses were progressively attenuated as breeding advanced, providing evidence that species can modulate their response to acute stress in relation to breeding stage in a way consistent with life history theory. Photo credit: Quentin Schull.

INSIDE JEB

- 1615** Pipefish fathers do not boost embryos' oxygen; Corollary signals coordinate swinging tentacles with swimming; Silk moth larvae suffer more than pupae in heat; Hot birds pant to keep cooler than air

OUTSIDE JEB

- 1618** Birds get crash-course in collisions; Bubbles create cosy environment for developing embryos; Take your time to resolve sensory conflicts; Boxfish don't swim the straight and narrow

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- 1686** Modulation of heart rate response to acute stressors throughout the breeding season in the king penguin *Aptenodytes patagonicus*
Viblanc, V. A., Smith, A. D., Gineste, B., Kauffmann, M. and Groscolas, R.
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Stewart, F. J., Kinoshita, M. and Arikawa, K.
- 1733** Sexual differences in exploration behavior in *Xenopus tropicalis*?
Videlier, M., Cornette, R., Bonneaud, C. and Herrel, A.
- 1740** Disruption of amylase genes by RNA interference affects reproduction in the Pacific oyster *Crassostrea gigas*
Huvet, A., Béguet, J.-P., Cavaleiro, N. P., Thomas, Y., Quillien, V., Boudry, P., Alunno-Bruscia, M. and Fabiou, C.
- 1748** Locomotor corollary activation of trigeminal motoneurons: coupling of discrete motor behaviors
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Snelling, E. P., Taggart, D. A., Maloney, S. K., Farrell, A. P., Leigh, C. M., Waterhouse, L., Williams, R. and Seymour, R. S.
- 1777** Aquatic surface respiration and swimming behaviour in adult and developing zebrafish exposed to hypoxia
Abdallah, S. J., Thomas, B. S. and Jonz, M. G.
- 1787** Dynamic changes in global and gene-specific DNA methylation during hibernation in adult thirteen-lined ground squirrels, *Ictidomys tridecemlineatus*
Alvarado, S., Mak, T., Liu, S., Storey, K. B. and Szyf, M.

CORRECTION

- 1796** Size dependence in non-sperm ejaculate production is reflected in daily energy expenditure and resting metabolic rate
Friesen, C. R., Powers, D. R., Copenhaver, P. E. and Mason, R. T.