Environmental influences during development and their later consequences for health and disease: implications for the interpretation of empirical studies 671
P. D. Gluckman, M. A. Hanson, H. G. Spencer & P. Bateson

The effect of the Neolithic expansion on European molecular diversity 679
M. Currat & L. Excoffier

Transmission dynamics of parasitic sea lice from farm to wild salmon 689
M. Krkošek, and M. A. Lewis & J. P. Volpe

Evidence for recombination in scorpion mitochondrial DNA (Scorpiones: Buthidae) 697
B. Gantenbein, V. Fet, I. A. Gantenbein-Ritter & F. Balloux

Amplification of individual preferences in a social context: the case of wall-following in ants 705
A. Dussutour, J.-L. Deneubourg & V. Fourcassé

MHC colours are not required or sufficient for recognition of individual scent owners 715
J. L. Hurst, M. D. Thom, C. M. Nevison, R. E. Humphries & R. J. Beynon

Flexibility of spatial averaging in visual perception 725
T. Lombrozo, J. Judson & D. I. A. MacLeod

Winter availability of cereal stubbles attracts declining farmland birds and positively influences breeding population trends 733
S. Gillings, S. E. Newson, D. G. Noble & J. A. Vickery

Directionality theory: a computational study of an entropic principle in evolutionary processes 741
A. Kowald & L. Demetrius

The dynamics of genetic and morphological variation on volcanic islands 751
T. Gübitz, R. S. Thorpe & A. Malhotra

MHC-based patterns of social and extra-pair mate choice in the Seychelles warbler 759
D. S. Richardson, J. Komdeur, T. Burke & T. von Schantz

Life-history variation of a neotropical thrush challenges food limitation theory 769
V. Ferretti, P. E. Llambías & T. E. Martin