Integration of ecology and endocrinology in avian reproduction: a new synthesis

Papers of a Theme Issue compiled and edited by John C. Wingfield, Marcel E. Visser and Tony D. Williams

Introduction. Integration of ecology and endocrinology in avian reproduction: a new synthesis 1581
J. C. Wingfield, M. E. Visser & T. D. Williams

Neuroendocrine control of life histories: what do we need to know to understand the evolution of phenotypic plasticity? 1589
K. M. Lessells

Review. Do hormonal control systems produce evolutionary inertia? 1599
E. Adkins-Regan

Review. Hormone-mediated suites as adaptations and evolutionary constraints 1611
J. W. McGlothlin & E. D. Ketterson

Review. Control of the annual cycle in birds: endocrine constraints and plasticity in response to ecological variability 1621
A. Dawson

Review. Early growth conditions, phenotypic development and environmental change 1635
P. Monaghan

Review. Hormone-mediated maternal effects in birds: mechanisms matter but what do we know of them? 1647
T. G. G. Groothuis & H. Schwabl

Variation in maternal effects and embryonic development rates among passerine species 1663
T. E. Martin & H. Schwabl

Review. Meiotic drive and sex determination: molecular and cytological mechanisms of sex ratio adjustment in birds 1675
J. Rutkovska & A. V. Badyaev

Review. Individual variation in endocrine systems: moving beyond the ‘tyranny of the Golden Mean’ 1687
T. D. Williams

Review. Individual variation and the endocrine regulation of behaviour and physiology in birds: a cellular/molecular perspective 1699
G. F. Ball & J. J. Balthazart

Review. Sources of individual variation in plasma testosterone levels 1711
B. Kempenaers, A. Peters & K. Foerster

In this issue