Contents

Theme issue: Innovation in animals and humans: understanding the origins and development of novel and creative behaviour

INTRODUCTION
Animal and human innovation: novel problems and novel solutions
SM Reader, J Morand-Ferron and E Flynn

ARTICLES
From mechanisms to function: an integrated framework of animal innovation
S Tebbich, AS Griffin, MF Peschl and K Sterelny

The reluctant innovator: orangutans and the phylogeny of creativity
CP van Schaik, J Burkart, L Damerius, SIF Forss, K Koops, MA van Noordwijk and C Schuppli

The coevolution of innovation and technical intelligence in primates
AF Navarrete, SM Reader, SE Street, A Whalen and KN Laland

Feeding innovations in a nested phylogeny of Neotropical passerines
L Lefebvre, S Ducatez and J-N Audet

The life-history basis of behavioural innovations
D Sol, F Sayol, S Ducatez and L Lefebvre

Environmental and genetic determinants of innovativeness in a natural population of birds
JL Quinn, EF Cole, TE Reed and J Morand-Ferron

Selectivity in social and asocial learning: investigating the prevalence, effect and development of young children’s learning preferences
E Flynn, C Turner and L-A Giraldeau

Individual differences in children’s innovative problem-solving are not predicted by divergent thinking or executive functions
SR Beck, C Williams, N Cutting, IA Apperly and J Chappell

The effects of environment and ownership on children’s innovation of tools and tool material selection
KM Sheridan, AN Konopasky, S Kirkwood and MA Defeyter

Identifying innovation in laboratory studies of cultural evolution: rates of retention and measures of adaptation
CA Caldwell, H Cornish and A Kandler

Innovation in the collective brain
M Muthukrishna and J Henrich

Innovation cascades: artefacts, organization and attributions
DA Lane

Innovativeness as an emergent property: a new alignment of comparative and experimental research on animal innovation
AS Griffin

Adaptable individuals and innovative lineages
K Sterelny