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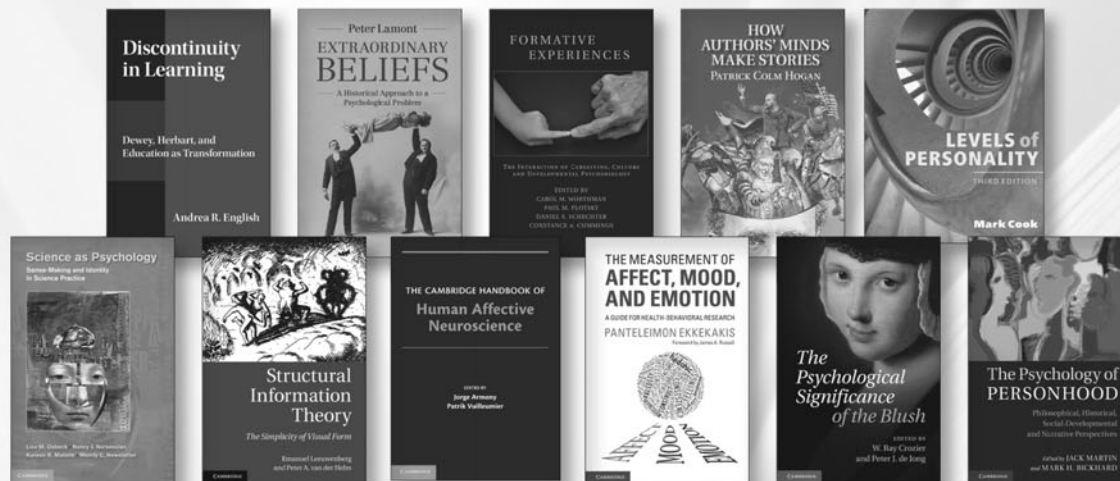
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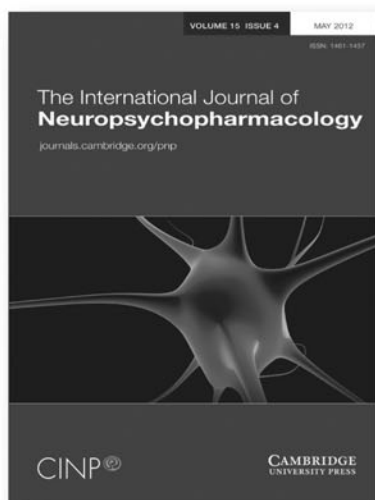


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Michael E. McCullough, Robert Kurzban, and Benjamin A. Tabak

## A mutualistic approach to morality: The evolution of fairness by partner choice

Nicolas Baumard, Jean-Baptiste André, and Dan Sperber

## To appear in upcoming issues (2013)

## “Whatever next? Predictive brains, situated agents, and the future of cognitive science”

Andy Clark, *University of Edinburgh*

Brains, it has recently been argued, are essentially prediction machines. They are bundles of cells that support perception and action by applying a hierarchical generative model that aims to match incoming sensory inputs with top-down expectations or predictions. Such accounts offer a unifying model of perception and action, illuminate the functional role of attention, and may neatly capture the special contribution of cortical processing to adaptive success. The target article critically examines this “hierarchical prediction machine” approach, concluding that it offers the best clue yet to the shape of a unified science of mind and action.

**With commentary from** ML Anderson & T Chemero; N Block & S Siegel; H Bowman, M Filetti, B Wyble & C Olivers; B Bridgeman; G Buckingham & M Goodale; DC Dennett; T Egner & C Summerfield; TA Farmer, M Brown & MK Tanenhaus; K Friston; T Froese & T Ikegami; P Gerrans; PA Gowaty & SP Hubbell; JB Hirsh, RA Mar & JB Peterson; L Holm & G Madison; EL Khalil; P König, N Wilming, K Kaspar, SK Nagel & S Onat; L Muckli, LS Petro & FW Smith; B Paton, J Skewes, C Frith & J Hohwy; WA Phillips; D Rasmussen & C Eliasmith; A Roepstorff; D Ross; RS Schaefer, K Overy & P Nelson; AK Seth & HD Critchley; N Shea; SM Silverstein; A Sloman; M Spratling; T Trappenberg & P Hollensen; D Ying-Jeh Little & F Sommer

## The artful mind meets art history: Toward a psycho-historical framework for the science of art appreciation

Nicolas J. Bullot, *Macquarie University*, and Rolf Reber, *University of Bergen*

Although equally relevant to a science of art appreciation, psychological and historical theories of art lack a common core of principles. First, we present their antagonism and identify shortcomings of the psychological approach. Second, we introduce a psycho-historical framework for the science of art appreciation that combines these two traditions. We demonstrate that scientific theories must investigate how appreciators process causal and historical information to classify and explain their psychological responses to art. We distinguish three modes of appreciation. Finally, we assess pioneering work and propose novel empirical studies of art appreciation to demonstrate the validity of this psycho-historical approach.

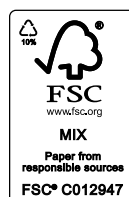
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## Among the articles to appear in forthcoming issues of BBS:

A. Clark, “Whatever next? Predictive brains, situated agents, and the future of cognitive science”  
N. J. Bullot & R. Reber, “The artful mind meets art history: Toward a psycho-historical framework for the science of art appreciation”  
L. Schilbach, B. Timmermans, V. Reddy, A. Costall, G. Bente, T. Schlicht & K. Vogeley, “Toward a second-person neuroscience”  
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