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International Journal of Technology Assessment in Health Care
Quarterly. Volume 26, 2010. ISSN 0266-4623. E-ISSN 1471-6348

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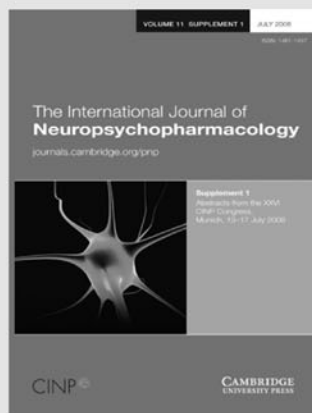
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Human kinship, from conceptual structure to grammar

Doug Jones

To appear in volume 33, Number 6 (2010)

The Simulation of Smiles (SIMS) model: Embodied simulation and the meaning of facial expression

Paula M. Niedenthal, Martial Mermillod, *Centre national de la recherche scientifique and Clermont Université*, Marcus Maringer, *University of Amsterdam*, and Ursula Hess, *Humboldt-Universität Berlin*

Theories of embodied cognition have motivated an explosion of research in psychology and the neurosciences on the processing of facial expression of emotion. Still unclear is how the component processes of emotion and their neural mechanisms support embodied simulation, and what triggers its occurrence. We examine the roles of the brain's reward systems, amygdala, somatosensory cortices, and motor centers in recognizing and interpreting smiles, and we integrate these with research on facial mimicry and eye gaze. A model of the processing of the smile is presented as a means to advance the application of theories of embodied cognition in the study of facial expression of emotion more generally.

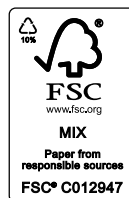
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