

# PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B

BIOLOGICAL SCIENCES

## Art, aesthetics and predictive processing: theoretical and empirical perspectives

A theme issue compiled and edited by Jacopo Frascaroli, Helmut Leder, Elvira Brattico and Sander Van de Cruys

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## About this issue

In the last few years, a remarkable convergence of interests and results has emerged between scholars interested in the arts and aesthetics from a variety of perspectives and cognitive scientists studying the mind and brain within the Predictive Processing framework. The result is a vast and fast-growing research programme that promises to deliver important insights into our aesthetic behaviours as well as a wide range of psychological phenomena of general interest, including perception, cognition, learning, attention, curiosity, affect, motivation, well-being, and the dynamics of sub-personal and person-level experience. This theme issue provides a timely synthesis of this ambitious research programme, laying down a framework within which aesthetics and cognitive science can partner up to illuminate crucial aspects of the human mind.

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**Front image:** The painting illustrates the idea that our senses, and therefore our minds, are surrounded by a metaphorical shell through which the environment is filtered. Helmut Leder, 1999-2003, Untitled (detail), 0.55x0.55 metres, oil on canvas.

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