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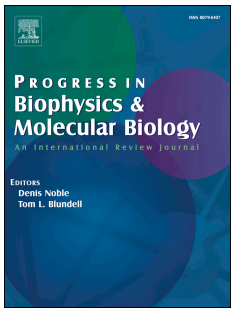

An extended framework for science

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An Extended Framework for Science

Abstract

We may be at the cusp of a next generation framework for science which can be facilitated by understanding current limitations in the context of a divergence of 'scientific' tradition from the Axial Age (800 to 200 BCE) to the present. A powerful advance may come from fusing certain elements from Western and Eastern traditions, synthesizing the framework with an apt understanding of the divergence. Key traits will include the ethopoetic nature of the scientist with attention to his/her experience of self. The framework will also 'access' knowledge through a state of mind less encumbered with paradoxes, duality, incompatibility and other aporias. Case studies in biology and physics illustrate possibilities.

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Keywords

Contextualism; Ethos; Michel Foucault; Nāgārjuna; Neo-Confucianism; Self-cultivation

Introduction

Contemporary science raises many questions about its present state, its approach, and its content. Is science forever an accumulated body of knowledge, or can it be a more efficient endeavour? How to break barriers that hamper the dealing of biological system modelling with biological agents in their true context? A solution is envisaged through new frameworks. Indeed, our view needs to be extended, in order to apprehend living systems appropriately as