



# Cambio de paradigma en el concepto de lateralidad hemisférica: Del idioma japonés a la neuroarquitectura

2023

text (article)

Analítica

In recent years, especially since the Decade of the Brain, Neurosciences have spread from the areas of health, such as Neurology, Neurosurgery, Psychiatry and Psychology, among others, to various fields of knowledge such as Philosophy, Economics and even Art, Design and Architecture. It is common to read and hear the prefix "neuro" in different topics, many of which are very well founded epistemologically, but in other cases, its use is based more on marketing than on science. Despite the exponential increase in knowledge, there are still many myths, simplifications and generalizations that do not correspond to reality. In this essay we propose to address as an example the issue of hemispheric laterality, the old "brain dominance". The idea still persists that one half of the brain is dedicated exclusively to certain things and the other half to different activities as if they were watertight compartments. The subject of the right and left hemisphere is much more complex and fascinating than is often believed. In this paper we start from the neuroscience of the Japanese language, study the cultural influence on brain shaping and the implication this has even for deciding on brain surgery. Then we will delve into how culture can modify perception and, finally, how this concept can be applied to areas of knowledge such as design and architecture. In this opportunity, based on the hardest neuroscience, we invite you to have a more critical view of modern neurosciences and their correct application

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**Título:** Cambio de paradigma en el concepto de lateralidad hemisférica: Del idioma japonés a la neuroarquitectura electronic resource].]

**Editorial:** 2023

**Tipo Audiovisual:** Neurociencias Lateralización hemisférica Lenguaje Japonés Cultura Neurociências Lateralização hemisférica Língua Japonês Cultura Neuroscience Hemispheric Lateralization Language Japanese Culture

**Documento fuente:** Cuadernos del Centro de Estudios en Diseño y Comunicación. Ensayos, ISSN 1668-0227, N°. 197, 2023 (Ejemplar dedicado a: Creatividad, emoción y espacio III), pags. 89-111

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**Lengua:** Spanish

**Enlace a fuente de información:** Cuadernos del Centro de Estudios en Diseño y Comunicación. Ensayos, ISSN 1668-0227, N°. 197, 2023 (Ejemplar dedicado a: Creatividad, emoción y espacio III), pags. 89-111

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