

State-of-the-Art Symposium Schwabe Pharma

08.09.2022 | 14.15 – 15.00 Uhr | Raum Szenario

Putting the mental back in mental disorders



Prof. Dr. Joseph LeDoux
Center for Neural Science
at New York University

Introduction by Prof. Dr. med. Martin Hatzinger

Prof. Dr. Joseph LeDoux – «THE explorer of the Neurophysiology of Fear» – «Lord over the Memory»
Thanks to LeDoux's research, we now know that the amygdala nuclei are essential for the formation of fear memory. The more they are activated, the more vivid the memory of an unpleasant experience. LeDoux showed how quickly they respond to possible dangers with a sensational study: He found out that the tonsil nuclei react to a learned warning signal – such as the noise he used – even before this signal is fully processed in the cerebral cortex and enters consciousness. The stimulus takes a shortcut from the thalamus directly to the amygdala – «quick and dirty»... LeDoux also did groundbreaking research in the field of memory reconsolidation (excerpt from an essay in «Die Zeit» 2013).



 Präsentation in Englischer Sprache / presentation in English

Powered by