

A possible biological mechanism of unusual animal behavior before earthquakes

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Although many statements collected by lay citizen after the Kobe earthquake suggest that macroanomalies were caused by electromagnetic fields, it is still insufficient to explain that mechanisms of unusual animal behaviors caused by electromagnetic pulses in terms of bioelectromagnetics. However, clarifications of a relationship between earthquakes and animal behaviors or its biological mechanism are very interesting studies from the view point of scientific elucidation of old legends in Asia as well as disaster prevention such as the Chinese project of predictions by snakes. In this presentation, a possible mechanism of pre-seismic unusual animal behavior will be discussed with our works and statements of human diseases before the Kobe EQ. We have another presentation in this conference about a disturbed circadian rhythm of mouse before the Kobe earthquake in 1995 at Institute for Protein Research, Osaka University and our experiments.