Speaker: Hong Chen, United States (U.S.A)

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Lecture Title: Ultrasound-induced Artificial Hibernation

Hibernation is an energy-conserving state in which animals dramatically decrease their metabolic rate and body temperature to survive harsh environmental conditions. This lecture will present the noninvasive, precise, and safe induction of a hibernation-like hypothermic and hypometabolic state in rodents by remote transcranial ultrasound stimulation at the hypothalamus preoptic area.