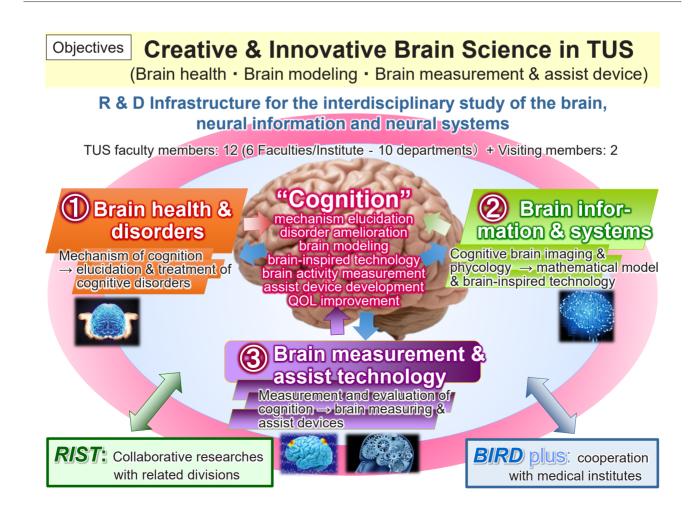
Brain Interdisciplinary Research Division ("BIRD")

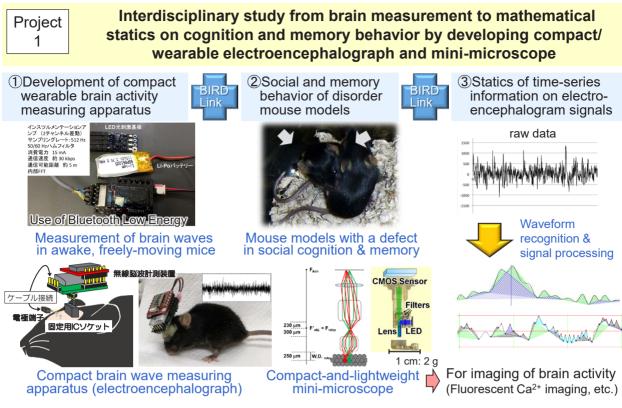
R & D Infrastructure for the Study of the Brain, Neural Information and Neural Systems

Period : April 1, 2016~March 31, 2021

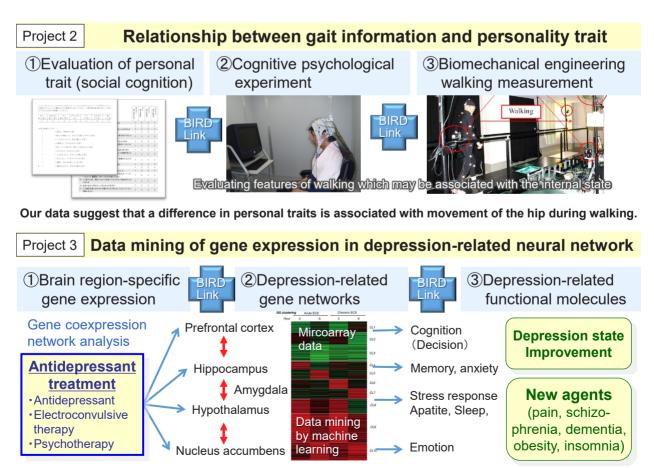
Members :

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 - * Osamu ARAKI (Prof., Appl. Physics, Fac. of Sci. Div. I)
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 - # Mitsuhiro HASHIMOTO (Assist. Prof., Fukushima Med. Univ.)
 - **Takahiro KIMURA** (Assist. Prof., Kochi Univ. Tech.)
 * Executive Secretary; # Visiting Researcher at TUS





We aim to develop wireless/compact apparatuses (weightlessness, low power consumption & resistance to wave interference) for real-time measuring brain activities in cognitive behavior of awake, freely moving mice. We also aim to evaluate relationship between brain activity and behavior by statistical analysis of time-series brain waves.



Antidepressant treatment may be associated with differentiation and maturation of hippocampal neurons.