



Veterinary Science Special seminar

Title: Brain regeneration and immune system

Speaker: Masashi SAKURAI (Joint Faculty of Veterinary Medicine, Yamaguchi University)

Day : September, 8th, 2021 Time:16:30-17:30

Site: iCover (Room 101)

Abstract: The brain was thought to be an organ that lacked regenerative capacity. Recently, however, it has become clear that neural stem cells exist in the adult brain and continue to produce neurons. In addition, it has been confirmed that neural stem cells supply new neurons to brain lesions, indicating that the brain also has a weak regenerative capacity. I have been studying the brain tissue regeneration using trimethyltin-injected mouse model. I have been focusing on the immune system, represented by white blood cells. It is generally believed that the brain is isolated from the immune system by the blood-brain barrier, however, leukocytes are known to migrate to brain lesions. In this seminar, I would like to introduce our findings about the function of leukocytes in brain tissue regeneration.

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