

177th WPI-IIIS Seminar

Diurnal grass rats as a novel animal model of seasonal affective disorder

Currently, most neurobiological studies on sleep-wake behavior are performed using laboratory rodents, however, they are nocturnal animals and have opposite circadian phase of activity/rest period to diurnal animals including humans. For the last few years, we have been studying a diurnal rodent, Nile grass rats (*Arvicanthis niloticus*), to understand neuronal mechanisms underlying circadian control of behavioral rhythms and behavioral response to ambient light. These animals are, however, not easy to handle and we needed to optimize many research tools for them. This talk summarizes our progress of grass rat studies, hoping a future application for the study of seasonal affective disorder.



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Date: **Monday, March 20, 2023**

Time: **13:00 – 14:00**

Venue: **1F Auditorium, IIIS Building**



IIIS

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