

An essay stating the reasons why I wish to apply

I have been studying biological rhythms (circadian rhythms) in plants by molecular-, biochemical-, and bioinformatics- approaches. These approaches identified proteins whose function are associated to circadian rhythms. I will continue to take these approaches to investigate circadian rhythms more deeply in future.

One reason is to discuss what is 'time' for organisms deeply, with biologists, physicists, and other researchers from different research fields.

Another reason is to discuss utility of plant circadian rhythm in our life. Recent studies outside of our research field, gave knowledge about relationship between circadian rhythm and our life, culture, and history. For example, humans have selected circadian clock mutants because genetic mutation of this system results in changing flowering time, which enables humans to grow plants in different latitude or climate area. Such studies make me to understand our life, culture, and history related to the circadian rhythm, or 'time', in plants.

It will be my pleasure if I join this conference and discuss about 'time' with researchers from different research fields.

Norihito Nakmaichi