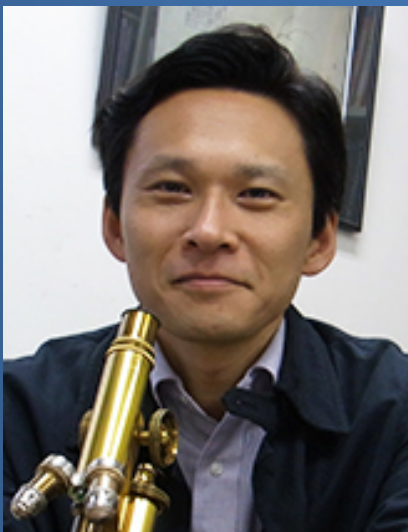


# 110<sup>th</sup> WPI-IIIS Seminar

## Evolution of seasonal timers:

### Towards the understanding of human seasonal rhythms

The appropriate timing of various seasonal processes, such as reproduction, migration and hibernation, is crucial to the survival of animals living in temperate regions. Although this phenomenon attracts great interest, its underlying mechanisms are not well understood. By using non-model organisms that have highly sophisticated seasonal responses, we have uncovered the universality and diversity in the signal transduction pathway regulating seasonal rhythms in vertebrates. Although humans are not typically considered seasonal animals, some evidence suggests that seasonal variation in physiology and behavior also exists in humans. I will discuss how we can better understand human seasonal rhythms using unique animal models.



## Dr. Takashi Yoshimura

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Nagoya University /  
Div Seasonal Biology, National Institute for  
Basic Biology

Date: **Monday, May 22, 2017**

Time: **12:00 – 13:00**

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



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