

# The Lions Eye Institute's **Ian Constable Lecture**

WHEN THE CLOCK IS TICKING...

## Biological clocks and body temperatures: is their interaction important for long-term health?



PROFESSOR MALONEY

The body clock, or circadian clock, keeps our body processes running according to a schedule. How this clock interacts with our body temperature will be the subject of a compelling presentation by Professor Shane Maloney, immediate past Head of the School of Human Sciences at The University of Western Australia.

Professor Maloney will discuss the factors that affect body temperature, such as heat and cold, malnutrition, and pregnancy, and what he has learned about temperature as a 'zeitgeber' (or time-giver) for our internal clock.

Professor Maloney and his team have experimented with manipulating body temperature in mammals, and he will describe the challenges of this work and why he ended up working on fruit flies. The team is now working to understand the daily 'noise' around the circadian rhythm and the new world of ultradian rhythms (two to three hourly changes).

Professor Maloney's principal area of research is thermal physiology, focusing on the regulation of brain temperature and the consequences of strategies used by humans and animals to maintain thermal homeostasis, or the maintenance of body temperature within a narrow range.

Join us for this **FREE** event.

### WHEN

6:30pm for a 7pm start,  
Wednesday 21 October 2020

### CONTACT

events@lei.org.au  
08 9381 0795

### WHERE

Theatre Auditorium, The University  
Club of Western Australia, UWA  
Hackett Drive, Crawley

**BOOKING ESSENTIAL** <http://bit.ly/LEI-2020>

Please note that due to COVID-19 restrictions, numbers are limited.