

Brown Bag Seminar

No. 052

Recorded data will be uploaded

Online
(Zoom)

Scan here for Registration

2022
6.8 (wed.)12:10
12:50

12:10-12:15

◆ Introduction

12:15-12:40

◆ Seminar
(Presentation)

12:40-12:50

◆ Q&A

https://temdec-med-kyushu-u-ac-jp.zoom.us/webinar/register/WN_zvQ0RUH6SA-251ICPIn8cw

Supported by Kyushu University, Q-AOS & TEMDEC

Effects of Pre-Cooling on Physiological Responses and Mental Task Performance in a Hot Environment

Chair: **Assoc. Prof. Kun QIAN** (Research Futures Coordinator of Q-AOS)Professor **Takafumi Maeda**

Department of Human Life Design and Science, Faculty of Design, Kyushu University



We live in various thermal environments and always adapt to them. In the summer, its adaptation may collapse and

heatstroke may occur in daily life and work situations. In addition, wearing protective clothing and masks to prevent infection increases the risk of heatstroke. In this seminar, I would like to outline the thermoregulatory function of humans and introduce research on the effects of precooling, which is one of the preventions of heatstroke, on the physiological response and mental task performance in a hot environment.

Takafumi Maeda is a Professor at the Faculty of Design, Kyushu University. He received a Ph.D. at Kyushu Institute of Design in 1998 and a D.M.Sc. at Fukushima Medical University in 2005. He used to work at the Department of Hygiene and Preventive Medicine, Fukushima Medical University from 1997 to 2006 as an associate researcher and lecturer. After that, He was assigned as an associate professor at the Faculty of Engineering, Hokkaido University in 2006. Since 2015, he has been a professor at Kyushu University, Faculty of Design. His research areas include Physiological Anthropology, Environmental Ergonomics, Thermal Physiology, Exercise Physiology, and Occupational Health. He is currently conducting research on human physiological responses to various environmental factors and their individual variations to propose a "truly healthy, comfort, and adaptive" environment and lifestyle for humans in terms of physiological functions.

Key Words

"Hot environment"

"Physiological Response"

"Task Performance"

"Pre-Cooling"