The Hitachi Global Foundation Science and Technology Seminars "Exploring the Mysteries of Sleep: From Basic Research to Sleep Wellness"

The 19th Hitachi Global Foundation Science and Technology Seminar on November 12 (Sunday)

The world-renowned authority on sleep-science research Dr. Masashi Yanagisawa (Director and Professor, International Institute for Integrative Sleep Medicine (WPI-IIIS), University of Tsukuba) delivered an easy-tounderstand lecture on what sleep is all about, ranging from basic research on the nature of sleepiness to ultimate sleep methods based on the latest studies.

Dr. Yanagisawa discovered the previously unknown neurotransmitter orexin, unlocking the mystery of narcolepsy, a disorder that disrupts our sleep-wake processes. He is also the recipient of numerous prestigious awards, including the Medal with Purple Ribbon in Japan and the Breakthrough Prize, for his outstanding research outcomes.

The hybrid seminar, held in-person at the Kudan-Kaikan Terrace (Chiyoda-ku, Tokyo) and online with Zoom Webinars, attracted more than 500 attendees.



Venue (Kudan-Kaikan Terrace)

Dr. Yanaqisawa

Why Do Animals Sleep?

From the origins of sleep and the nature of sleepiness to the ultimate sleep methods

The Japanese are said to sleep less than other people around the world. Many people have concerns and questions about sleep, with more than 150 questions sent in ahead of the seminar. The question-and-answer session that followed the lecture featured a lively discussion with the attendees.

The pre-seminar questions ranged from basic queries such as the reason living creatures sleep to more specific questions about changes in sleep quality with aging, children's sleep, short sleepers, the mechanisms of early birds and night owls, and ways to get a sound sleep. Dr. Yanagisawa answered these questions in detail by presenting evidence during the lecture.

The questionnaire conducted after the seminar brought forth a variety of comments, such as "I learned many new things and was happy to acquire evidence-based knowledge" and "The lecture made me realize once again the importance of sleep."

The Hitachi Global Foundation

6-1, Marunouchi 1-chome, Chiyoda-ku, Tokyo 100-8220, Japan TEL: 03-5221-6675 FAX: 03-5221-6680 E-mail: hitachizaidan@hdq.hitachi.co.jp The Hitachi Global Foundation's website

https://www.hitachi-zaidan.org/global/index.html

Date of issue: March 15, 2024 Publisher: Teruva Suzuki / Editor-in-chief: Taku Yoshida Printed by Akahori Print Corporation

The Hitachi Global Foundation

Nurturing people, connecting to the future



The Hitachi Global Foundation publishes news letters featuring its many activities. We offer various types of news about our Foundation, ranging from activity reports on symposiums, seminars, awards ceremonies, and other events to our latest topics. Please take a look to find out more.

Realization of an Inclusive Society

Launch of "Global Society Review"

The Hitachi Global Foundation has launched a new electronic journal, "Global Society Review," (to be published twice a year in June and December) as a project contributing to realize an inclusive society.

The journal will serve as a platform for experts in academic fields related to inclusion to organically interact and share their expertise with one another, thereby contributing to new ideas and perspectives. The Foundation will also utilize its know-how in conducting awareness-raising activities, including symposiums on building a society that recognizes diverse viewpoints and values, to introduce different experiences and activities to the general public in an effort to promote the understanding and creation of an inclusive society in Japan.*

The commemorative first issue titled "What is the Creation of an Inclusive Society?" features a roundtable discussion and special reports to discuss the current challenges, views of experts, and others.

*A society where people of different nationalities and ethnicities coexist as members of the community while recognizing each other's cultural differences to build equal relationships Source: The Ministry of Internal Affairs and Communications, Research Report on the Promotion of Multicultural Coexistence: Toward the Promotion of Multicultural Coexistence at Regional Levels (March 2006)







Human Development

Hitachi Future Innovator Program FY2023 On-site Lessons

The Hitachi Global Foundation has developed the project-based learning Hitachi Future Innovator Program for fifth graders to foster the abilities to find and solve problems required of future human resources in science and technology. The Foundation has collaborated with Hitachi Group companies since 2016 to offer onsite lessons at schools.

The FY2023 program was carried out at Sasame Elementary School in Toda City (completed in October) and four other schools in Bungotakada City in Oita



Prefecture, Akita City in Akita Prefecture, Tamamura Town in Gunma Prefecture, and Hitachi City in Ibaraki Prefecture.

*Please refer to the previous News Letter for a report on Sasame Elementary School in Toda City.



Promotion of Academic Research, Science and Technology

The Hitachi Global Foundation Asia Innovation Award FY2023 Award Recipients

Name Dr. Minh Thuy Le

The Hitachi Global Foundation Asia Innovation Award was launched in FY2020 to promote innovations in science and technology that contribute to solving social issues and realizing a sustainable society in the ASEAN region. This award recognizes individuals and groups who have notably served the public interest through their outstanding research and development projects that envision an ideal society and incorporate plans to implement innovative science and technology with the aim of contributing to the United Nations Sustainable Development Goals (SDGs). Applicants for the FY2023 award were invited from 27 universities and research institutes in six ASEAN countries (Indonesia, Cambodia, Laos, Myanmar, the Philippines, and Vietnam) to present their research and development



Name Dr. Vannak Vai