

# C18

## Creating value for the implementation of research seeds in society

(Strategic Professional Development Program for  
Young Researchers TRiSTAR I)

Session number: C18

Date: September 27 (Wed) 15:30-17:00 (Japan time)

Venue: Room 304

Tsukuba International Congress Center Hall

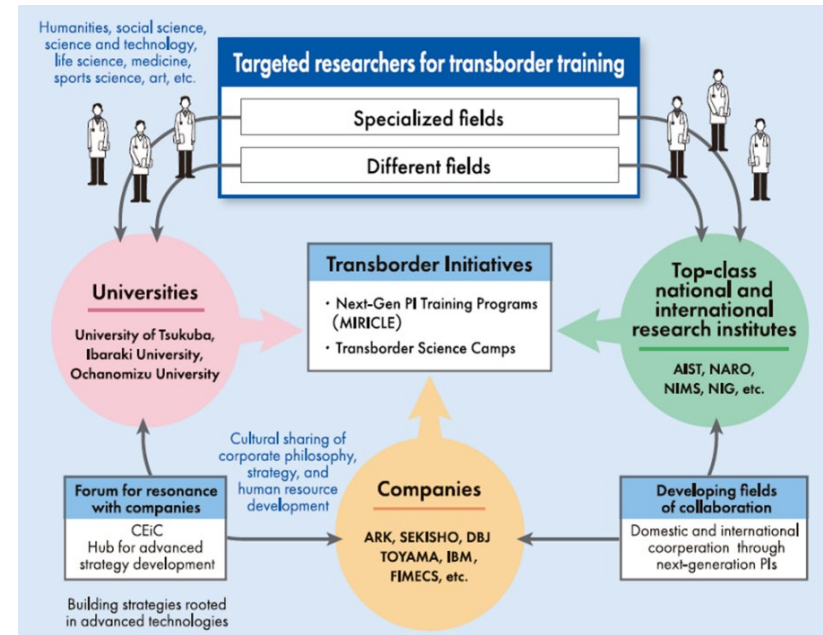
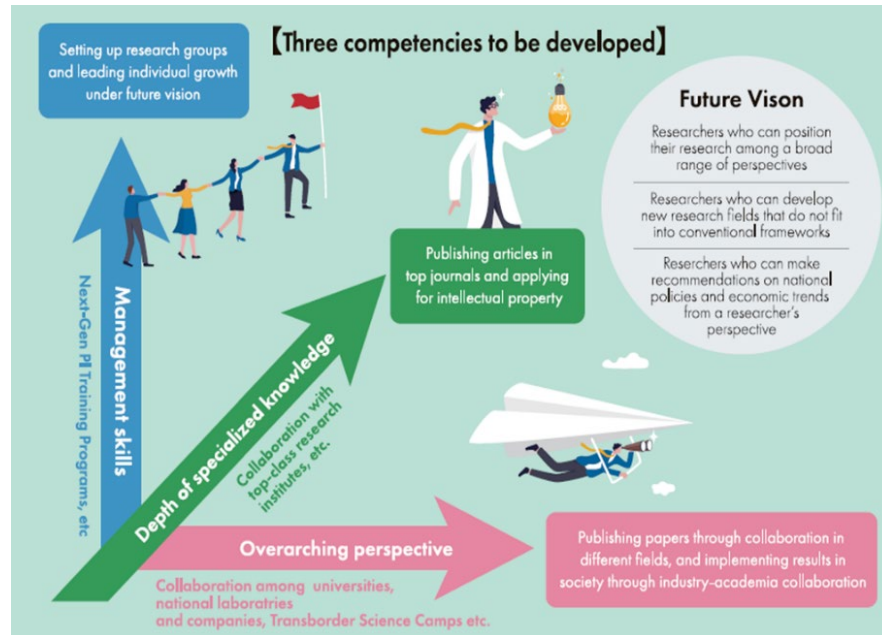
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# Time table

- 15:30 - 15:33 Opening Speech Dr. Yasuteru Shigeta,  
TRiSTAR Lead Institution, Executive Manager,  
Vice President and Executive Director for Research  
University of Tsukuba
- 15:33 - 15:38 Session overview Organizer: Dr. Nobuaki Takeshita,  
Supporting Office for the Development of Young Human resources  
University of Tsukuba
- 15:38 - 16:18 Presentation
- 1 Dr. Hiromu Monai, Ochanomizu University
  - 2 Dr. Masahiro Kuramochi, Ibaraki University
  - 3 Dr. Shymaa Enany, Suez Canal University
  - 4 Dr. Kotaro Takeyasu, University of Tsukuba
- 16:18 - 16:58 Panel Discussion Moderator: Dr. Makoto Kamiya, University of Tsukuba  
Commentator: Dr. Junji Watanabe,  
NTT Communication Science Laboratories
- 16:58 - 17:00 Closing speech Dr. Masayuki Umemura,  
TRiSTAR program manager, Specially Appointed Professor,  
University of Tsukuba

# What is TRiSTAR?

A Top Runner Development Program Engaging Universities, National Labs, and Companies  
TRiSTAR (TRiSTAR: Top Runners in Strategy of Transborder Advanced Researches)  
MEXT, Strategic Professional Development Program for Young Researchers



<https://tristar.sec.tsukuba.ac.jp/>

# Overview

***Aim:*** To deepen the value of research seeds to society and to imagine a path towards social implementation.

***Expected effects:*** Discussions among researchers interested in social implementation to transform each other's research seeds into value for social implementation, including overseas researchers of the same generation, to gain new ideas and insights, to recognize social market value, and to develop specific developmental research approaches. Furthermore, include the possibility of developing the discussion into targeted customers and how to provide value to them.

***Content:***

- Presentation on research by 4 speakers
- Panel discussion: discussion on the social value of each study, etc.

# Speakers



## **1. Dr. Hiromu MONAI**

Assistant Professor  
Natural Science Division,  
Faculty of Core Research,  
Ochanomizu University

**Beyond rest: The role of  
neuromodulation in brain fatigue  
recovery and endurance  
amplification**



## **2. Dr. Masahiro KURAMOCHI**

Assistant Professor  
Graduate School of Science and  
Engineering, Ibaraki University

**Functional analysis of the ice-  
binding proteins and their  
application to bio-preservation  
technology**



## **3. Dr. Shymaa ENANY**

Professor  
Microbiology & Immunology,  
Faculty of Pharmacy, Suez Canal University

**Proteo-Genomics of Microbes  
Endorses Health and Wellbeing**



## **4. Dr. Kotaro TAKEYASU**

Assistant Professor  
Faculty of Pure and Applied Sciences,  
University of Tsukuba,

**Toward the commercialization  
of mechanism-based metal-  
free catalysts for hydrogen  
fuel cells**

# Directions for discussion of the panel discussion

## Discussion

- (i) The value of research for social implementation**
- (ii) New value created when research is developed**

## Message to participants

To researchers: Make them interested in social implementation of research

To investors: Make them want to watch trends in research by the speakers etc.

To general: Raising expectations for social implementation of research

Please enjoy the session!