

Asia-Africa Youth Symposium

Date

2026

10/27 TUE 13:00 -18:30

13:00-13:05 Opening Remarks

13:05-13:30 Dr. Wijak Yospanya (Tohoku University) (Thailand)

Hierarchical Chirality: How Asymmetry Transmits Across Scales

13:30- 13:55 Dr. Yusdar Mustamin (Tohoku University) (Indonesia)

Investigating Host-Microbe Compatibility for Plant Growth Promotion

13:55- 14:20 Dr. Khadija Daoudi (Tohoku University) (Morocco)

Venom Under the lens: Proteomic Profiling and Toxin Diversity in Scorpions

14:20-14:30 ~Break~

14:30-14:55 Dr. Mazin Abdelwahid (Tohoku University) (Sudan)

A Dual Strategy to Enhance PROTAC Permeability: Amide-to-Ester Substitution and Linker Methylation

14:55- 15:25 Special Lecture

Prof. Dr. Christos Gatsogiannis (the University of Münster in Germany)

Untangling the Mysteries of Black Widow Spider Venom: Structural and Mechanistic Basis of Latrotoxin Pore Formation

15:25-15:40 ~Coffee Break~

15:40- 16:00 Dr. Noha Elshamy (Tohoku University) (Egypt)

Targeting the Lipoprotein Trafficking Pathway for the Development of Novel Therapeutics Against *Acinetobacter baumannii*

16:00- 16:25 Dr. Shahenda Abuelela (Tohoku University) (Egypt)

Scanning Electron Microscopy of Orthopteran Mandibles inhabiting Temperate Grassland Ecosystem: Comparative Morphology and Functional Adaptation

16:25-16:45 Dr. Daimei Miura (Tokyo University of Agriculture and Technology) (Japan)

Molecular Engineering for Rapid and Convenient Biosensing System

16:45-16:55 ~Break~

16:55-17:10 Xu Qianming (Tokyo University of Agriculture and Technology) (China)

Engineering of pH-Responsive Antibodies for Continuous Insulin Monitoring

JICE Africa Youth Fellowship Interns Session

17:10- 17:20 Mennallah Saad (Master student- School of Pharmacy- Cairo University) (Egypt)

17:20- 17:30 Soad Aman (Master student- School of Pharmacy- Cairo University) (Egypt)

17:30-17:35 closing remarks

17:35- 18:30 Get together- Open discussion

Organizer: Noha Elshamy

Department of Biomolecular Sciences
Graduate School of Life Sciences, Tohoku University

 elshamy.noha.c1@tohoku.ac.jp



**Japan-Africa
Youth Program**



The Japan-Africa Youth Program is being implemented based on the "Yokohama Declaration" adopted at the 9th Tokyo International Conference on African Development (TICAD 9), held in August 2025. The program aims to build a network through which young people – the next generation of Japan and Africa – can "co-create" the future as equal partners. This initiative is a youth exchange program promoted by the Government of Japan (Ministry of Foreign Affairs), and the Japan International Cooperation Center (JICE), a general incorporated foundation, is responsible for its operation and management under a commission from the African Union Commission (AUC). One of the four programs under this initiative is the "Long-Term Invitation and Dispatch Program," which targets universities, graduate schools, research institutions, and private companies in Japan and Africa. Under this program, Japanese universities, graduate schools, private companies, research institutions, and other organizations – selected and funded by JICE as "Collaborative Partners" – plan and implement exchange programs lasting from two weeks to three months. Through medium- to long-term activities such as inviting and dispatching students and researchers and organizing internships, the program aims to strengthen collaboration between Japanese and African organizations, create opportunities for young professionals to interact, and enhance their capabilities. Translated with DeepL.com (free version)

Venue

**Lecture Room, 1st Floor, Project Research Building, Graduate
School of Life Sciences (D04) , Tohoku University**