

# Asia-Africa Research Exchange Symposium

2026

**1.30** FRI 13:00 - 17:30

**1.31** SAT 09:30 - 12:00

at Katahira Kitamon Commons, Tohoku University

## 【30th, Jan (Fri)】

- 13:00-13:05 Opening Remarks, Yoshikazu Tanaka  
13:05-13:35 **Shahira A. ElBanna (Cairo University)**  
"Exploration and Screening of Natural Sources for Antivirulence Activity Targeting Key Virulence Factors in Staphylococcus aureus"  
13:35-14:05 **Mark Medhat (Cairo University)**  
"Repurposing fusidic acid as an antimicrobial against enterococci with a low probability of resistance development"  
14:05-14:35 **Shahenda AbuEla Ali AbuEla (Tohoku University)**  
"Population Patterns and Feeding Traits of Grasshoppers: Implications for Climate-Driven Outbreak Risk"  
14:35-15:00 ~Coffee Break~  
15:00-15:30 **Khadija Daoudi (Tohoku University)**  
"Exploring the Molecular Diversity of Japanese Spider Venoms: A Transcriptomic View."  
15:30-16:00 **Katsuhiko Konno (Tohoku University)**  
"Chemistry and Biology of Neurotoxins in Animal Venoms"  
16:00-16:30 **Yoshio Kodera (Kitasato University)**  
"Peptidomic analyses of plasma and tissues based on high-yield peptide extraction method."  
16:30-17:00 **Ryuichi Sakai (Hokkaido University)**  
"Exploration of Marine Natural Products for Industrial Applications."  
17:00-17:30 **Sherif Rashad (Tohoku University)**  
"tRNA modifications and the regulation of codon decoding in cancer and neurological disorders"  
-19:30 Free discussion

## 【31st, Jan (Sat)】

- 09:30-09:35 Opening  
09:35-10:05 **Jannatul Naime (Tohoku University)**  
"Cryo-EM Structural Insights into Bartonella Angiogenic Factor A (BafA) in Dimeric and Ligand-Bound States"  
10:05-10:35 **Berihu Mesfin(Tohoku University)**  
"Imaging Reactive Astrocytes in Neurodegenerative Diseases Using [<sup>18</sup>F]SMBT-1 PET"  
10:35-11:05 **Noha Elshamy (Osaka University)**  
"In silico and structural analysis of the S-domain of the Type II secretion system protein GspD in Acinetobacter baumannii"  
11:05-11:10 Closing Remarks, Noha Elshamy  
-12:00 Free Discussion

Venue / Katahira Kitamon Commons,  
on the Katahira Campus of Tohoku University  
Address:2-1-1 Katahira, Aoba-ku, Sendai, Miyagi  
980-8577, Japan



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