

ANSO International Training Program for Biodiversity and Health Big Data

1. Background and Objectives

Biodiversity and health (omics) big data are of critical importance for biomedical scientific research and industrial innovation. However, the capability of omics big data processing and analysis in developing countries remains to be much improved. We propose to conduct this international training program mainly for biological researchers from Southeast Asian and South Asian countries, in order to facilitate their scientific skills of omics big data processing and analysis, as well as cultivate local talents for international collaboration.

2. Overview of the Plan

- Host: Beijing Institute of Genomics, Chinese Academy of Sciences / China National Center for Bioinformation, Global Biodiversity and Health Big Data Alliance (BHBD), and Chulalongkorn University, Thailand
- Trainer: experts from BHBD members: Yiming Bao (China), Suchinda Malaivijitnond (Thailand), Vsevolod Makeev (Russia), Takashi Gojobori (Saudi Arabia), Amir Ali Abbasi (Pakistan), etc.
- Trainee: about 25 biological researchers mainly from Southeast Asian and South Asian countries
- Duration: 7 days (date to be determined)
- Location: Chulalongkorn University, Bangkok, Thailand
- Courses: genomics and bioinformatics technologies for omics big data sharing, intergration and analysis

3. Expected Outcomes

- The trainees have a better understanding of omics big data after training, being able to master the basic skills of omics data processing.

- The trainees and trainers have deep communications during the training and set up networks for future international collaboration.

- The influence of ANSO and BHBD is increased in local countries.

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