



Agenda

Breakout Seminar

B-INSPIRE: "Biodiversity, Innovation, & Insights in the Realm of Evolution"

Date: 6 November 2025 Time: 08.30 - 17.15

At Room MR102 Queen Sirikit National Convention Center (QSNCC)

Program Overview

B-INSPIRE aims to establish a collaborative platform for leading scientists, researchers, and conservationists dedicated to deepening our understanding of biodiversity through the forefront of genomics and evolutionary biology. As ecosystems worldwide face rapid change, uncovering the genetic mechanisms underlying adaptation, resilience, and species diversity is crucial. This seminar will showcase pioneering research that bridges traditional evolutionary principles—such as Darwin's influence—with modern genomic tools to explore topics like hybridization, gene flow, and environmental adaptation.

Discussions will highlight the significance of hybridization events, gene flow dynamics, evo-devo, and the impact of population structures over evolutionary time. The seminar will also emphasize innovations in conservation genomics, the evolution of infectious agents, and adaptive strategies for species colonization and invasiveness. A key focus will be on fostering diversity, inclusion, and equitable access within molecular and evolutionary sciences. Additionally, the role of biobanks in preserving biological resources for future research will be underscored.

Core themes include the evolution and regulation of sex chromosomes, mechanisms of sex determination, genealogical approaches and gene lineage analysis, and the emergence and functional roles of novel genes. Participants will explore recent advances in chromosomal architecture, the application of pangenome graphs in biodiversity studies, and the opportunities and challenges of phylogenomics in the context of gene flow and introgression.

Join us at B-INSPIRE to explore these forward-looking themes, deepen your understanding of the genetic and evolutionary processes that drive biodiversity, and contribute to sustainable solutions for protecting the richness of life on our planet.



Time (ICT)	Session	Speaker / Participants
08:30 – 09:00	Registration	Organizers
09:00 – 09:10	Opening Ceremony	Organizers
09:10 – 09:40	MoU Signing Ceremony Between Kasetsart University, Thailand and Shanghai Advanced Research Institute, Chinese Academy of Sciences, China	Representatives of both institutions
09:40 – 10:10	title	Dr. Richard Wang (CASICCB, China)
10:10 – 10:40	title	Dr. Xu Jianchu (Kunming Institute of Botany, CAS, China)
10:40 – 11:10	title	Prof. Dr. Kornorn Srikulnath (Kasetsart University, Thailand)
11:10 – 11:40	title	Prof. Dr. Minsheng Peng (Kunming Institute of Zoology, CAS, China)
11:40 – 12:00	Discussion / Q&A	All participants
12:00 – 13:00	Lunch Break	—
13:00 – 13:30	title	Assist. Prof. Dr. Kannika Siripattaraprawat (Kasetsart University, Thailand)
13:30 – 14:00	title	Dr. Ting-Ting Yin (Kunming Institute of Zoology, CAS, China)
14:00 – 14:30	title	Assoc. Prof. Dr. Monwadee Wonglapsuan (Prince of Songkla University, Thailand)
14:30 – 15:00	title	Prof. Dr. Xiaojuan Cao (Huazhong Agricultural University, China)



Time (ICT)	Session	Speaker / Participants
15:00 – 15:30	title	Assist. Prof. Dr. Nattakorn Kuncharoen (Kasetsart University, Thailand)
15:30 – 16:00	title	Assoc. Prof. Dr. Narongrit Muangmai (Kasetsart University, Thailand)
16:00 – 16:30	title	Assoc. Prof. Dr. Siwaret Arikrit (Kasetsart University, Thailand)
16:30 – 17:00	title	Dr. Wanapinun Nawae (NSTDA, Thailand)
17:00 – 17:15	Closing Ceremony	Organizers