



THE 4th VIETNAM SCHOOL OF BIOLOGY (VSOB-4)

Bioinformatics Course: Metagenome Analysis in One Health Practice From 16S to Shotgun

*September 03rd-06th, 2025,
ICISE, Gia Lai, Vietnam*



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The 1st VIETNAM SCHOOL OF BIOLOGY

**Bioinformatic course:
Microbiome analysis in agricultural work and research**

December 13-14, 2022, ICISE, Quy Nhon, Vietnam

The 2nd VIETNAM SCHOOL OF BIOLOGY

**Genomic analysis of microbial pathogens
using Illumina and Nanopore sequencing**

December 9-11, 2023, ICISE, Quy Nhon, Vietnam

The 3rd VIETNAM SCHOOL OF BIOLOGY

Bioinformatic analysis for bulk RNA-seq data

December 06-08, 2024, ICISE, Quy Nhon, Vietnam

The 4th VIETNAM SCHOOL OF BIOLOGY

**Bioinformatics Course:
Metagenome Analysis in One Health Practice
From 16S to Shotgun**

Sep 3rd -6th, 2025, ICISE, Gia Lai, Vietnam

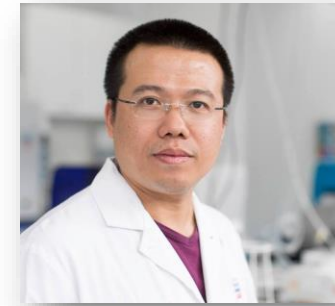
VSOB Organizing & Program Committees



Dr. Tran Thanh Son
ICISE, Quy Nhon



Assoc. Prof. Dr. Nguyen Bao Quoc
Nong Lam University, HCMC



Dr. Nguyen Cuong
Chief Scientific Officer,
LOBI Vietnam



Dr. Vu Minh Thiet
Nguyen Tat Thanh Uni.



Dr. Nguyen Thuy Vy
Uni. of Natural Sciences,
Vietnam National University, HCMC



Dr. Tran Thi Thanh Tam
University of Science and
Technology Hanoi (USTH), VAST



Dr. Do Hoang Dang Khoa
NTT Hi-Tech Institute,
Nguyen Tat Thanh University

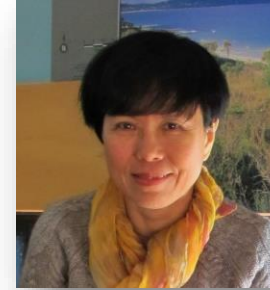
VSOB: Invited Speakers and Lecturers



Prof. Dr. Truong Nam Hai
Institute of Biotechnology, VAST



Prof. Dr. Rajesh Pandey
Institute of Genomic and
Integrative Biology
New Dehli, India



Assoc. Prof. Ho H. T. Duong
Uni. of Science, VNUHCM



Dr. Dương Vũ,
Westerdijk Fungal
Biodiversity Institute,
The Netherlands



Mrs. Pham T. T. Tam
BCE Company Ltd.



Dr. Juliette Hayer
IRD



Dr. Etienne Loire
CIRAD



Dr. Chung The Hao
OUCRU

VSOB: Invited Speakers and Lecturers



Dr. Deeksha Bhartiya
Founder/CEO
Genomiki Solutions, India



Dr. Cong Luan Nguyen
Business Manager,
APAC, Vizgen



Dr. Nguyen Thi Lien Hanh
Institute of Malariology,
Parasitology and Entomology
(IMPE) Quy Nhon



Dr. Luu Phuc Loi
Tam Anh Research Institute
(TamRI), HCMC



Dr. Vo Sy Nam
Chief Scientist, Co-Founder, GeneStory
Director, Center for Biomedical
Informatics, Vingroup Big Data Institute



Phd. Candidate Pham Quang Huy
Kyungpook University, Korea



Teaching Assistants



Day 1

Day 1: Wednesday, Sep 3 rd , 2025		
7:30 – 8:30	Course registration and informal introductions	<i>ICISE, Quy Nhon City</i>
8:30 – 9:00	Welcome address Introduction of trainers and participants, group photo	Dr. Tran Thanh Son, ICISE, Quy Nhon City Assoc.Prof.Dr. Nguyen Bao Quoc, Nong Lam University, HCMC
9:00 – 9:15	Introduction of course work and practical	Dr. Cuong Nguyen, LOBI Vietnam Ltd., Insitute of Information Technology, VAST
9:15 – 10:00	Keynote 1: Introduction to Metagenomics and Applications in Agriculture	Prof. Dr. Truong Nam Hai Institute of Biology, Vietnam Academy of Science and Technology
10:00 - 10:20	<i>Tea break</i>	
10:20 – 11:05	Lecture 1: Metagenomics library preparation	Dr. Nguyen Thuy Vy University of Sciences, Vietnam National University, HCMC
11:05 – 11:50	Keynote 2: Analysis of Gut Microbiome, Structure and Function in Vietnamese Adults	Dr. Nguyen Thuy Vy University of Sciences, Vietnam National University, HCMC
11:50 – 13:30	<i>Lunch break</i>	<i>ICISE, Quy Nhon City</i>
13:30 – 17:30	Lecture 2: Shotgun Metagenomics Analysis	Pham Quang Huy, PhD candidate Kyungpook National University, Korea

Day 2

Day 3

Day 2: Thursday, Sep 4 th , 2025		
8:30-11:30	Lecture 2: Shotgun Metagenomics Analysis (cont')	Pham Quang Huy, PhD candidate Kyungpook National University, Korea
11:30 – 13:30	<i>Lunch break</i>	<i>ICISE, Quy Nhon City</i>
13:30-17:30	Lecture 2: Shotgun Metagenomics Analysis (cont')	Pham Quang Huy, PhD candidate Kyungpook National University, Korea
Day 3: Friday, Sep 5 th , 2025		
8:30 – 11:30	Lecture 3: 16S rRNA Amplicon Analysis	Dr. The-Hao Chung OUCRU, Ho Chi Minh City
11:30 – 13:30	<i>Lunch break</i>	<i>ICISE, Quy Nhon City</i>
13:30 – 17:30	Lecture 3: 16S rRNA Amplicon Analysis (cont's)	Dr. The-Hao Chung OUCRU, Ho Chi Minh City

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Day 4

Day 4: Saturday, Sep 6 th , 2025		
8:30 - 9:30	Keynote 3: Inter-woven world of Microbes: Transcriptionally Active Microbes and Disease Severity	Assoc. Prof. Dr. Rajesh Pandey CSIR-Institute of Genomics and Integrative Biology (CSIR-IGIB), India Academy of Scientific & Innovative Research (AcSIR)
9:30 - 10:00	Talk: Identifying fecal microbiota signatures of colorectal cancer in a Vietnamese cohort	Dr. Tran Thi Thanh Tam USTH, Hanoi, Vietnam
10:00 - 10:30	<i>Tea break</i>	
10:30 - 12:00	Participant Talks: Sharing from the Field	Moderator: Dr. Cuong Nguyen, LOBI Vietnam Ltd., Insitute of Information Technology, VAST Presenters: Registered participants
11:30 – 13:30	<i>Lunch break</i>	<i>ICISE, Quy Nhon City</i>
13:30-17:00	Lecture 4: Data Visualization with R	Dr. Cuong Nguyen, LOBI Vietnam Ltd., Insitute of Information Technology, VAST
17:00-17:30	Closing and Certificate ceremony	All participants

VSOB



Expectation

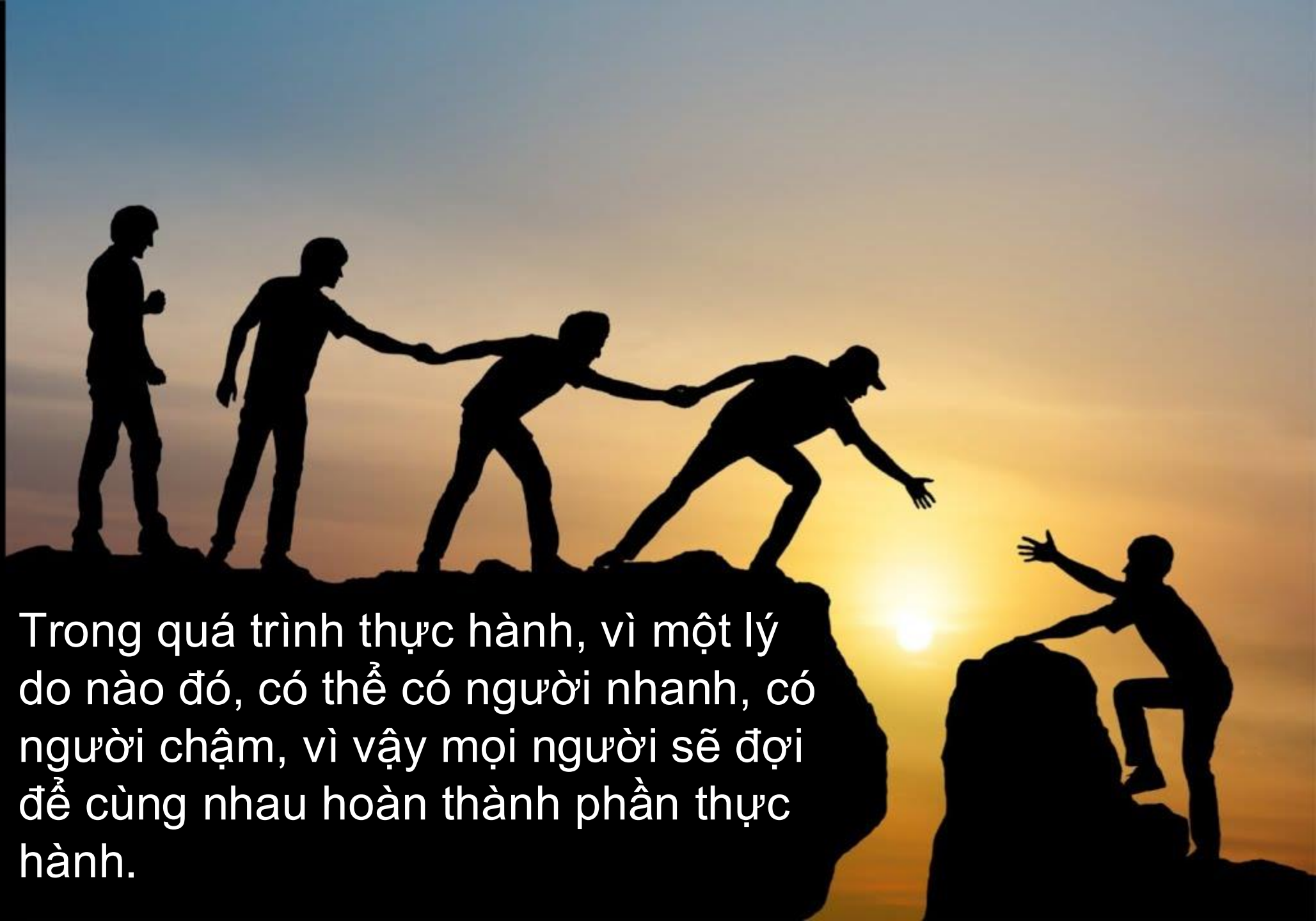


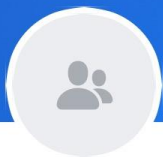
NO ONE LEFT BEHIND



THE POWER OF ACCOMPANIMENT

Trong quá trình thực hành, vì một lý do nào đó, có thể có người nhanh, có người chậm, vì vậy mọi người sẽ đợi để cùng nhau hoàn thành phần thực hành.





ICISE-VSOB4

Nhóm Zalo



Quét mã QR này bằng Zalo để tham gia

