

กำหนดการโครงการอบรมระยะสั้นด้านมัลติโอมิกส์ รุ่นที่ 2

วันที่ 1 - 12 เมษายน 2567

ณ ห้อง Meeting Room 3 อาคารอำนวยการอุทยานวิทยาศาสตร์ มหาวิทยาลัยขอนแก่น

Day/Time	Activity	Speaker
<b>1 April 2024 (Day 1)</b>		
08:30 - 09:00	Check-in	KKUPC team
09:00 -10:30	Computational thinking and study design	Jutarop & Wassana
10:30 - 10:45	Coffee break & Networking	
10:45 - 12:15	Principle of statistics for omics	Jutarop
12:15 - 13:15	Lunch	
13:15 - 15:15	Hands on: Study design and analytical planning	Manida & KKUPC team
15:15 - 15:30	Coffee break & Networking	
15:30 - 17:30	Hands on: Sample preparation	Wassana & KKUPC team
<b>2 April 2024 (Day 2)</b>		
08:30 - 09:00	Check-in	KKUPC team
09:00 - 10:30	Principle of CRISPR	Natthawut
10:30 - 10:45	Coffee break & Networking	
10:45 - 12:15	Principle of CRISPR	Natthawut
12:15 - 13:15	Lunch	
13:15 - 15:15	Hands on: CRISPR	Natthawut & KKUPC team
15:15 - 15:30	Coffee break & Networking	
15:30 - 17:30	Hands on: CRISPR	Natthawut & KKUPC team

<b>3 April 2024 (Day 3)</b>		
08:30 - 09:00	Check-in	KKUPC team
09:00 - 10:30	Principle of Python	Peeraya & Natkamol
10:30 - 10:45	Lunch	
10:45 - 12:15	Principle of R	Atcharaporn
12:15 - 13:15	Lunch	
13:15 - 14:45	Principle of genomics I - II	Poramate
14:45 - 15:00	Coffee break & Networking	
15:00 - 17:00	Hands on: Genomics practice I - II	Poramate & KKUPC team
<b>4 April 2024 (Day 4)</b>		
08:30 - 09:00	Check-in	KKUPC team
09:00 - 10:30	Principle of transcriptomics I	Poramate
10:30 - 10:45	Coffee break & Networking	
10:45 - 12:15	Principle of transcriptomics II	Poramate
12:15 - 13:15	Lunch	
13:15 - 15:15	Hands on: Transcriptomics practice I	Poramate & KKUPC team
15:15 - 15:30	Coffee break & Networking	
15:30 - 17:30	Hands on: Transcriptomics practice II	Poramate & KKUPC team
<b>5 April 2024 (Day 5)</b>		
08:30 - 09:00	Check-in	KKUPC team
09:00 - 10:30	Principle of Proteomics	Sitthirak
10:30 - 10:45	Coffee break & Networking	
10:45 - 12:15	Principle of Proteomics	Sitthirak
12:15 - 13:15	Lunch	
13:15 - 15:15	Hands on: Proteomics practice I	Sitthirak & KKUPC Team
15:15 - 15:30	Coffee break & Networking	
15:30 - 17:30	Hands on: Proteomics practice II	Sitthirak & KKUPC Team

<b>6 April 2024 (Day 6)</b>		
08:30 - 09:00	Check-in	KKUPC team
09:00 - 10:30	Mini project	
10:30 - 10:45	Coffee break & Networking	
10:45 - 12:15	Mini project	
12:15 - 13:15	Lunch	
13:15 - 15:15	Mini project	
15:15 - 15:30	Coffee break & Networking	
15:30 - 17:30	Mini project	
<b>8 April 2024 (Day 7)</b>		
08:30 - 09:00	Check-in	KKUPC team
09:00 -10:30	Principle of Metabolomics	Jutarop
10:30 - 10:45	Coffee break & Networking	
10:45 - 12:15	Principle of Metabolomics	Jutarop
12:15 - 13:15	Lunch	
13:15 - 15:15	Hands on: Metabolomics practice I	Jutarop & KKUPC team
15:15 - 15:30	Coffee break & Networking	
15:30 - 17:30	Hands on: Metabolomics practice II	Jutarop & KKUPC team
<b>9 April 2024 (Day 8)</b>		
08:30 - 09:00	Check-in	KKUPC team
09:00 -10:30	Graphical, visualization and interpretation	Manida
10:30 - 10:45	Coffee break & Networking	
10:45 - 12:15	Principle of Unix	Theerayut
12:15 - 13:15	Lunch	
13:15 - 15:15	Hands on: Unix	Theerayut & KKUPC Team
15:15 - 15:30	Coffee break & Networking	
15:30 - 17:30	Hands on: R	Atcharaporn & KKUPC Team

<b>10 April 2024 (Day 9)</b>		
08:30 - 09:00	Check-in	KKUPC team
09:00 -10:30	Microbiome	Jutarop
10:30 - 10:45	Coffee break & Networking	
10:45 - 12:15	Microbiome	Jutarop
12:15 - 13:15	Lunch	
13:15 - 15:15	Hands on: Microbiome	Jutarop & KKUPC team
15:15 - 15:30	Coffee break & Networking	
15:30 - 17:30	Hands on: Microbiome	Jutarop & KKUPC team
<b>11 April 2024 (Day 10)</b>		
08:30 - 09:00	Check-in	KKUPC team
09:00 -10:30	Data integration	Yotsawat
10:30 - 10:45	Coffee break & Networking	
10:45 - 12:15	Data integration	Yotsawat
12:15 - 13:15	Lunch	
13:15 - 15:15	Hands on: Data intregation I	Yotsawat & KKUPC team
15:15 - 15:30	Coffee break & Networking	
15:30 - 17:30	Hands on: Data integration II	Yotsawat & KKUPC team
<b>12 April 2024 (Day 11)</b>		
08:30 - 09:00	Check-in	KKUPC team
09:00 - 10:30	Lecture Examination	KKUPC team
10:30 - 10:45	Coffee break & Networking	
10:45 - 12:15	Laboratory Examination	KKUPC team
12:15 - 13:15	Lunch	
13:15 - 15:45	Mini project (Group discussion and Presentation)	Participants
15:45 - 16:00	Closing ceremony	All

หมายเหตุ : กำหนดการอาจมีการเปลี่ยนแปลงตามความเหมาะสม