

## ตารางการอบรม Student Science Training Program 2024

“Student Science Training Program 2024” รุ่น 1–3 ดังนี้

รุ่นที่ 1 วันที่ 1–12 กรกฎาคม 2567 ผู้ลงทะเบียน จำนวน 24 ราย

รุ่นที่ 2 วันที่ 15–26 กรกฎาคม 2567 ผู้ลงทะเบียน จำนวน 24 ราย

วันหยุด วันที่ 22 กรกฎาคม 2567 ชดเชยวันอาสาฬหบูชา

รุ่นที่ 3 วันที่ 29 กรกฎาคม –9 สิงหาคม 2567 ผู้ลงทะเบียน จำนวน 24 ราย

วันหยุด วันที่ 29 กรกฎาคม 2567 หยุดชดเชยวันเฉลิมพระชนมพรรษาพระวชิรเกล้าเจ้าอยู่หัว

### Student Science Training Program 2024#1

1–12 July 2024

#### Day 1 (Monday, July 1, 2024)

- 08:30–09:00 Welcome and introduction Asst. Prof. Dr. Alita Kongchanagul
- 09:00–10:00 Lecture and demonstration on “Laboratory Safety Practices”  
*Asst. Prof. Dr. Sirirat Kumarn*
- 10:00–11:15 Lecture on “Fluorescent Protein Technology and PCR-Based Yeast Genome Engineering”  
*Assoc. Prof. Dr. Chalongrat Noree*
- 11:15–12:00 Laboratory session on “Basic Pipetting Technique and PCR”  
*Assoc. Prof. Dr. Chalongrat Noree, Dr. Phattarunda Jaree, Dr. Wannapa Sornjai, Dr. Nattaya Srisawad, Dr. Supajit Sraphet, Dr. Chonticha Saisawang and Ms. Naraporn Sirinonthanawech*
- 12:00–13:00 Lunch
- 13:00–16:30 Laboratory session on “Agarose Gel Electrophoresis”  
Laboratory session on “PCR Purification”  
Laboratory session to “Prepare overnight culture”  
*Assoc. Prof. Dr. Chalongrat Noree and team*

#### Day 2 (Tuesday, July 2, 2024)

- 09:00–09:30 Laboratory session on “Preparation of Log-Phase Yeast Culture”  
*Assoc. Prof. Dr. Chalongrat Noree and team*
- 09.30–12:00 Computer lecture and laboratory on “Plasmid Construction and Primer Design”  
*Assoc. Prof. Dr. Chalongrat Noree and team*
- 12:00–13:00 Lunch
- 13:00–16:00 Laboratory session to “Prepare competent yeast cells”  
Laboratory session on “Yeast Transformation”  
*Assoc. Prof. Dr. Chalongrat Noree and team*

### **Day 3 (Wednesday, July 3, 2024)**

- 09:00–09:30      Laboratory session on “Replica Plating”  
*Assoc. Prof. Dr. Chalongrat Noree and team*
- 09:30–12:00      Laboratory session on “Cell Imaging”  
*Assoc. Prof. Dr. Chalongrat Noree and team*
- 12:00–13:00      Lunch
- 13:00–14:30      Recap  
*Assoc. Prof. Dr. Chalongrat Noree and team*
- 14:30 – 16:00      Campus Tour  
*Ms. Panutchanat Khamtonwong, Ms. Kaewkhawn Banjong, Ms. Yada Uasmith,  
Ms. Pinjutha Ratchatamethawin and Mr. Yarnyong Kongmahaphuk*

### **Day 4 (Thursday, 4 July 2024)**

- 09:00 – 10:00      Lecture on “Protein Expression and Purification”  
*Assoc. Prof. Dr. Chartchai Krittanai*
- 10:00 – 12:00      Laboratory session on “Protein World: protein isolation and visualization”  
(Bacterial culture, protein expression, protein preparation)  
*Dr. Phattara-orn Havanapan, Dr. Duangnapa Kovanich, Dr. Arpaporn Sutipatanasomboon,  
Ms. Nuanwan Pongtanom, Ms. Somsri Sakdee Ms. Vadee Rumruay and Ms. Pirut Thongngam*
- 12:00 – 13:00      Lunch
- 13:00 – 16:00      Laboratory session on “Protein World: protein isolation and visualization” (cont.)  
*Dr. Phattara-orn Havanapan and team*

### **Day 5 (Friday, 5 July 2024)**

- 09:00 – 10:00      Lecture on “Thalassemia”  
*Dr. Kittiphong Paiboonsukwong*
- 10:00 – 12:00      Laboratory session on “DNA Analysis for Alpha-Thalassemia”  
*Dr. Thongperm Munkongdee, Dr. Kittiphong Paiboonsukwong,  
Asst. Prof. Dr. Natee Jearawiriyapaisarn, Asst. Prof. Dr. Phatchariya Phannasil,  
Dr. Benjaporn Kiatpakdeeand, Ms Nattrika Buasuwan, Ms. Usa Nuttapolwat and team*
- 12:00 – 13:00      Lunch
- 13:00 – 16:00      Laboratory session on “DNA Analysis for Alpha-Thalassemia” (cont.)  
*Dr. Thongperm Munkongdee and team*

### **Day 6 (Monday, 8 July 2024)**

- 09:00 – 10:00      Lecture on “Immunoassay”  
*Asst. Prof. Dr. Alita Kongchanagul*
- 10:00 – 12:00      Laboratory session on *Antibody diagnosis*  
*Asst. Prof. Dr. Alita Kongchanagul, Dr. Promsin Masrinoul, Dr. Jukrapun Komaikul,  
Dr. Niramol Jitprasutwit, Mr. Ekkarat Rodpai, Ms. Sanjira Juntarapornchai,*

*Ms. Sasiporn Ruangdechsuwan, Ms. Kunjimas Ketsuwan and Mr. Iyacoob khunsri*

12:00 – 13:00 Lunch

13:00 – 14:00 Lecture on “Real-world applications of molecular biosciences”

*Asst. Prof. Dr. Poochit Nonejuie*

14:00 – 16:00 Lecture on “Structural Exploration of Coronavirus Drug Targets”

*Asst. Prof. Dr. Duangrudee Tanramluk*

#### **Day 7 (Tuesday, 9 July 2024)**

09:00 – 10:00 Lecture on “Animal Cell culture”

*Dr. Chutima Thepparit*

10:00 – 12:00 Laboratory session on “Animal Cell culture”

*Dr. Chutima Thepparit, Asst. Prof. Dr. Alisa Tubsuwan Dr. Promsin Masrinoul, Dr. Jukrapun Komaikul, Dr. Niramol Jitprasutwit, Mr. Ekkarat Rodpai, Ms. Sanjira Juntarapornchai, Ms. Pirut Thongngam Ms. Sasiporn Ruangdechsuwan, Ms. Kunjimas Ketsuwan, and Mr. Iyacoob khunsri*

12:00 – 13:00 Lunch

13:00 – 16:00 Laboratory session on “Animal Cell culture”

*Dr. Chutima Thepparit and team*

#### **Day 8 (Wednesday, 10 July 2024)**

09:00 – 10:00 Lecture on “Genome editing”

*Asst. Prof. Dr. Alisa Tubsuwan*

10:00 – 12:00 Laboratory session on “Genome editing using CRISPR/Cas9”

*Asst. Prof. Dr. Alisa Tubsuwan, Dr. Chutima Thepparit, Mr. Iyacoob Khunsriand, Ms Kunjimas Ketsuwan, Ms. Sanjira Juntarapornchai, Ms. Sasiporn Ruangdechsuwan, and Mr. Pirut Thongngam,*

12:00 – 13:00 Lunch

13:00 – 16:00 Laboratory session on “Genome editing using CRISPR/Cas9”

*Asst. Prof. Dr. Alisa Tubsuwan and team*

#### **Day 9 (Thursday, 11 July 2024)**

09:00 – 10:00 Lecture on Brain and memory

*Asst. Prof. Dr. Sujira Mukda*

10:00 – 12:00 Laboratory session on “Brain anatomy and function”

*Asst. Prof. Dr. Sujira Mukda, Ms. Kanda Putthaphongphuek and team*

12:00 – 13:00 Lunch

13:00 – 14:00 Lecture on “Behavioral studies in animal research”

*Asst. Prof. Dr. Sukonthar Ngampramuan*

14:00 – 16:00 Laboratory session on “The demonstration of animal studies”

*Asst. Prof. Dr. Sukonthar Ngampramuan, Ms. Chinarat Changsangfa, Ms. Dungdol Narasirirk, Ms. Sukanya Ruschadaariyachat, Mrs. kanda Putthaphongphuek, Mr. Nithikorn Laoritthikrai And Ms. Wilairatana Ajariyaporn*

### Day 10 (Friday, 12 July 2024)

- 09:00 – 10:30 Lecture on “Plant Tissue Culture and Application”  
*Dr. Panitch Boonsnongcheep*
- 10:30 – 12:00 Laboratory session on “Plant Tissue Culture”  
*Dr. Panitch Boonsnongcheep, Assoc. Prof. Dr. Kanokporn Triwitayakorn,  
Dr. Arpaporn Sutipatanasomboon, Dr. Supajit Sraphet, Dr. Nattaya Srisawad,  
Dr. Piengtawan Tappiban, Ms.Nuanwan Pongtanom, Ms.Somsri Sakdee,  
Ms.Vadee Rumruay and Ms.Nawarat Suksee*
- 12:00 – 12:30 Lunch
- 12:30 – 16:00 Laboratory session on “Plant Tissue Culture”  
*Dr. Panitch Boonsnongcheep, and team*
- 16:00 – 16:30 Closing ceremony  
*Asst. Prof. Dr. Alita Kongchanagul*

## Student Science Training Program 2024#2

15–26 July 2024

### Day 1 (Monday, 15 July 2024)

- 08:30–09:00 Welcome and introduction Asst. Prof. Dr. Alita Kongchanagul
- 09:00–10:00 Lecture and demonstration on “Laboratory Safety Practices”  
Asst. Prof. Dr. Sirirat Kumarn
- 10:00–11:15 Lecture on “Fluorescent Protein Technology and PCR-Based Yeast Genome Engineering”  
Assoc. Prof. Dr. Chalongrat Noree
- 11:15–12:00 Laboratory session on “Basic Pipetting Technique and PCR”  
Assoc. Prof. Dr. Chalongrat Noree, Dr. Phattarunda Jaree, Dr. Wannapa Sornjai,  
Dr. Nattaya Srisawad, Dr. Supajit Sraphet, Dr. Chonticha Saisawang  
and Ms. Naraporn Sirinonthanawech
- 12:00–13:00 Lunch
- 13:00–16:30 Laboratory session on “Agarose Gel Electrophoresis”  
Laboratory session on “PCR Purification”  
Laboratory session to “Prepare overnight culture”  
Assoc. Prof. Dr. Chalongrat Noree and team

### Day 2 (Tuesday, 16 July 2024)

- 09:00–09:30 Laboratory session on “Preparation of Log-Phase Yeast Culture”  
Assoc. Prof. Dr. Chalongrat Noree and team
- 09.30–12:00 Computer lecture and laboratory on “Plasmid Construction and Primer Design”  
Assoc. Prof. Dr. Chalongrat Noree and team
- 12:00–13:00 Lunch

13:00–16:00      Laboratory session to “Prepare competent yeast cells”  
Laboratory session on “Yeast Transformation”  
Assoc. Prof. Dr. Chalongrat Noree and team

### **Day 3 (Wednesday, 17 July 2024)**

09:00–09:30      Laboratory session on “Replica Plating”  
Assoc. Prof. Dr. Chalongrat Noree and team

09:30–12:00      Laboratory session on “Cell Imaging”  
Assoc. Prof. Dr. Chalongrat Noree and team

12:00–13:00      Lunch

13:00–14:30      Recap

Assoc. Prof. Dr. Chalongrat Noree and team

14:30 – 16:00      Campus Tour  
Ms. Panutchanat Khamtonwong, Ms. Kaewkhawn Banjong, Ms. Yada Uasmith,  
Ms. Pinjutha Ratchatamethawin and Mr. Yaryong Kongmahaphuk

### **Day 4 (Thursday, 18 July 2024)**

09:00 – 10:00      Lecture on Brain and memory  
*Asst.Prof. Dr. Sujira Mukda*

10:00 – 12:00      Laboratory session on “Brain anatomy and function”  
*Asst.Prof. Dr. Sujira Mukda, Ms.Kanda Putthaphongphuek and team*

12:00 – 13:00      Lunch

13:00 – 14:00      Lecture on “Behavioral studies in animal research”  
*Asst. Prof. Dr. Sukonthar Ngampramuan*

14:00 – 16:00      Laboratory session on “The demonstration of animal studies”  
*Asst. Prof. Dr. Sukonthar Ngampramuan , Ms. Chinarat Changsangfa, Ms. Dungdol Narasirirk,  
Ms. Sukanya Ruschadaariyachat, Mrs. kanda Putthaphongphuek, Mr. Nithikom Laoriththikrai  
And Ms. Wilairatana Ajariyaporn*

### **Day 5 (Friday, 19 July 2024)**

09:00 – 10:00      Lecture on “Immunoassay”  
*Asst. Prof. Dr. Alita Kongchanagul*

10:00 – 12:00      Laboratory session on *Antibody diagnosis*  
*Asst. Prof. Dr. Alita Kongchanagul, Dr. Promsin Masrinoul, Dr. Jukrapun Komaikul,  
Dr. Niramol Jitprasutwit, Mr. Ekkarat Rodpai, Ms. Sanjira Juntarapornchai,  
Ms. Sasiporn Ruangdechsuwan, Ms. Kunjimas Ketsuwan and Mr. Iyacoob khunsri*

12:00 – 13:00      Lunch

13:00 – 14:00      Lecture on “Real-world applications of molecular biosciences”  
*Asst. Prof. Dr. Poochit Nonejuie*

14:00 – 16:00      Lecture on “Structural Exploration of Coronavirus Drug Targets”  
*Asst. Prof. Dr. Duangrudee Tanramluk*

#### Day 6 (Monday, 22 July 2024)

09:00 – 10:00 Lecture on “Animal Cell culture”

*Dr. Chutima Thepparit*

10:00 – 12:00 Laboratory session on “Animal Cell culture”

*Dr. Chutima Thepparit, Asst. Prof. Dr. Alisa Tubsuwan Dr. Promsin Masrinoul, Dr. Jukrapun Komaikul, Dr. Niramol Jitprasutwit, Mr. Ekkarat Rodpai, Ms. Sanjira Juntarapornchai, Ms. Pirut Thongngam Ms. Sasiporn Ruangdechsuwan, Ms. Kunjimas Ketsuwan, and Mr. Iyacoob khunsri*

12:00 – 13:00 Lunch

13:00 – 16:00 Laboratory session on “Animal Cell culture”

*Dr. Chutima Thepparit and team*

#### Day 7 (Tuesday, 23 July 2024)

09:00 – 10:00 Lecture on “Genome editing”

*Asst. Prof. Dr. Alisa Tubsuwan*

10:00 – 12:00 Laboratory session on “Genome editing using CRISPR/Cas9”

*Asst. Prof. Dr. Alisa Tubsuwan, Dr. Chutima Thepparit, Mr. Iyacoob Khunsriand, Ms Kunjimas Ketsuwan, Ms. Sanjira Juntarapornchai, Ms. Sasiporn Ruangdechsuwan, and Mr. Pirut Thongngam,*

12:00 – 13:00 Lunch

13:00 – 16:00 Laboratory session on “Genome editing using CRISPR/Cas9”

*Asst. Prof. Dr. Alisa Tubsuwan and team*

#### Day 8 (Wednesday, 24 July 2024)

09:00 – 10:30 Lecture on “Plant Tissue Culture and Application”

*Dr. Panitch Boonsnongcheep*

10:30 – 12:00 Laboratory session on “Plant Tissue Culture”

*Dr. Panitch Boonsnongcheep, Assoc. Prof. Dr. Kanokporn Triwitayakorn, Dr. Arpaporn Sutipatanasomboon, Dr. Supajit Sraphet, Dr. Nattaya Srisawad, Dr. Piengtawan Tappiban, Ms.Nuanwan Pongtanom, Ms.Somsri Sakdee, Ms.Vadee Rumruay and Ms.Nawarat Suksee*

12:00 – 12:30 Lunch

12:30 – 16:00 Laboratory session on “Plant Tissue Culture”

*Dr. Panitch Boonsnongcheep, and team*

#### Day 9 (Thursday, 25 July 2024)

09:00 – 10:00 Lecture on “Thalassemia”

*Dr. Kittiphong Paiboonsukwong*

10:00 – 12:00 Laboratory session on “DNA Analysis for Alpha-Thalassemia”

*Dr. Thongperm Munkongdee, Dr. Kittiphong Paiboonsukwong, Asst. Prof. Dr. Natee Jearawiriyapaisarn, Asst. Prof. Dr. Phatchariya Phannasil, Dr. Benjaporn Kiatpakdeeand, Ms Nattrika Buasuwan, Ms. Usa Nuttapolwat and team*

- 12:00 – 13:00 Lunch  
13:00 – 16:00 Laboratory session on “DNA Analysis for Alpha-Thalassemia” (cont.)  
*Dr. Thongperm Munkongdee and team*

**Day 10 (Friday, 26 July 2024)**

- 09:00 – 10:00 Lecture on “Protein Expression and Purification”  
*Assoc. Prof. Dr. Chartchai Krittanai*
- 10:00 – 12:00 Laboratory session on “Protein World: protein isolation and visualization”  
(Bacterial culture, protein expression, protein preparation)  
*Dr. Phattara-orn Havanapan, Dr. Duangnapa Kovanich, Dr. Arpaporn Sutipatanasomboon, Ms. Nuanwan Pongtanom, Ms. Somsri Sakdee Ms. Vadee Rumruay and Ms. Pirut Thongngam*
- 12:00 – 13:00 Lunch
- 13:00 – 16:00 Laboratory session on “Protein World: protein isolation and visualization” (cont.)  
*Dr. Phattara-orn Havanapan and team*
- 16:00 – 16:30 Closing ceremony  
*Asst. Prof. Dr. Alita Kongchanagul*

**Student Science Training Program 2024#3**

**29 July –9 August 2024**

**Day 1 (Monday, 29 July 2024)**

- 08:30–09:00 Welcome and introduction *Asst. Prof. Dr. Alita Kongchanagul*
- 09:00–10:00 Lecture and demonstration on “Laboratory Safety Practices”  
*Asst. Prof. Dr. Sirirat Kumarn*
- 10:00–11:15 Lecture on “Fluorescent Protein Technology and PCR-Based Yeast Genome Engineering”  
*Assoc. Prof. Dr. Chalongrat Noree*
- 11:15–12:00 Laboratory session on “Basic Pipetting Technique and PCR”  
*Assoc. Prof. Dr. Chalongrat Noree, Dr. Phattarunda Jaree, Dr. Wannapa Sornjai, Dr. Nattaya Srisawad, Dr. Supajit Sraphet, Dr. Chonticha Saisawang and Ms. Naraporn Sirinonthanawech*
- 12:00–13:00 Lunch
- 13:00–16:30 Laboratory session on “Agarose Gel Electrophoresis”  
Laboratory session on “PCR Purification”  
Laboratory session to “Prepare overnight culture”  
*Assoc. Prof. Dr. Chalongrat Noree and team*

**Day 2 (Tuesday, 30 July 2024)**

- 09:00–09:30 Laboratory session on “Preparation of Log-Phase Yeast Culture”  
*Assoc. Prof. Dr. Chalongrat Noree and team*
- 09.30–12:00 Computer lecture and laboratory on “Plasmid Construction and Primer Design”

Assoc. Prof. Dr. Chalongrat Noree and team  
12:00–13:00 Lunch  
13:00–16:00 Laboratory session to “Prepare competent yeast cells”  
Laboratory session on “Yeast Transformation”  
Assoc. Prof. Dr. Chalongrat Noree and team

### **Day 3 (Wednesday, 31 July 2024)**

09:00–09:30 Laboratory session on “Replica Plating”  
*Assoc. Prof. Dr. Chalongrat Noree and team*  
09:30–12:00 Laboratory session on “Cell Imaging”  
*Assoc. Prof. Dr. Chalongrat Noree and team*  
12:00–13:00 Lunch  
13:00–14:30 Recap  
*Assoc. Prof. Dr. Chalongrat Noree and team*  
14:30 – 16:00 Campus Tour  
*Ms. Panutchanat Khamtonwong, Ms. Kaewkhawn Banjong, Ms. Yada Uasmith,  
Ms. Pinjutha Ratchatamethawin and Mr. Yarnyong Kongmahaphuk*

### **Day 4 (Thursday, 1 August 2024)**

09:00 – 10:00 Lecture on “Thalassemia”  
*Dr. Kittiphong Paiboonsukwong*  
10:00 – 12:00 Laboratory session on “DNA Analysis for Alpha-Thalassemia”  
*Dr. Thongperm Munkongdee, Dr. Kittiphong Paiboonsukwong,  
Asst. Prof. Dr. Natee Jearawiriyapaisarn, Asst. Prof. Dr. Phatchariya Phannasil,  
Dr. Benjaporn Kiatpakdeeand, Ms Nattrika Buasuwan, Ms. Usa Nuttapolwat and team*  
12:00 – 13:00 Lunch  
13:00 – 16:00 Laboratory session on “DNA Analysis for Alpha-Thalassemia” (cont.)  
*Dr. Thongperm Munkongdee and team*

### **Day 5 (Friday, 2 August 2024)**

09:00 – 10:00 Lecture on “Protein Expression and Purification”  
*Assoc. Prof. Dr. Chartchai Krittanai*  
10:00 – 12:00 Laboratory session on “Protein World: protein isolation and visualization”  
(Bacterial culture, protein expression, protein preparation)  
*Dr. Phattara-orn Havanapan, Dr. Duangnapa Kovanich, Dr. Arpaporn Sutipatanasomboon,  
Ms.Nuanwan Pongtanom, Ms. Somsri Sakdee Ms. Vadee Rumruay and Ms. Pirut Thongngam*  
12:00 – 13:00 Lunch  
13:00 – 16:00 Laboratory session on “Protein World: protein isolation and visualization” (cont.)  
*Dr. Phattara-orn Havanapan and team*

### **Day 6 (Monday, 5 August 2024)**



- 09:00 – 10:00 Lecture on “Animal Cell culture”  
*Dr. Chutima Thepparit*
- 10:00 – 12:00 Laboratory session on “Animal Cell culture”  
*Dr. Chutima Thepparit, Asst. Prof. Dr. Alisa Tubsuwan Dr. Promsin Masrinoul, Dr. Jukrapun Komaikul, Dr. Niramol Jitprasutwit, Mr. Ekkarat Rodpai, Ms. Sanjira Juntarapornchai, Ms. Pirut Thongngam Ms. Sasiporn Ruangdechsuwan, Ms. Kunjimas Ketsuwan, and Mr. Iyacoob khunsri*
- 12:00 – 13:00 Lunch
- 13:00 – 16:00 Laboratory session on “Animal Cell culture”  
*Dr. Chutima Thepparit and team*

**Day 7 (Tuesday, 6 August 2024)**

- 09:00 – 10:00 Lecture on “Genome editing”  
*Asst. Prof. Dr. Alisa Tubsuwan*
- 10:00 – 12:00 Laboratory session on “Genome editing using CRISPR/Cas9”  
*Asst. Prof. Dr. Alisa Tubsuwan, Dr. Chutima Thepparit, Mr. Iyacoob Khunsriand, Ms Kunjimas Ketsuwan, Ms. Sanjira Juntarapornchai, Ms. Sasiporn Ruangdechsuwan, and Mr. Pirut Thongngam,*
- 12:00 – 13:00 Lunch
- 13:00 – 16:00 Laboratory session on “Genome editing using CRISPR/Cas9”  
*Asst. Prof. Dr. Alisa Tubsuwan and team*

**Day 8 (Wednesday, 7 August 2024)**

- 09:00 – 10:30 Lecture on “Plant Tissue Culture and Application”  
*Dr. Panitch Boonsnongcheep*
- 10:30 – 12:00 Laboratory session on “Plant Tissue Culture”  
*Dr. Panitch Boonsnongcheep, Assoc. Prof. Dr. Kanokporn Triwitayakorn, Dr. Arpaporn Sutipatanasomboon, Dr. Supajit Sraphet, Dr. Nattaya Srisawad, Dr. Piengtawan Tappiban, Ms.Nuanwan Pongtanom, Ms.Somsri Sakdee, Ms.Vadee Rumruay and Ms.Nawarat Suksee*
- 12:00 – 12:30 Lunch
- 12:30 – 16:00 Laboratory session on “Plant Tissue Culture”  
*Dr. Panitch Boonsnongcheep, and team*

**Day 9 (Thursday, 8 August 2024)**

- 09:00 – 10:00 Lecture on Brain and memory  
*Asst.Prof. Dr. Sujira Mukda*
- 10:00 – 12:00 Laboratory session on “Brain anatomy and function”  
*Asst.Prof. Dr. Sujira Mukda, Ms.Kanda Putthaphongphuek and team*
- 12:00 – 13:00 Lunch

- 13:00 – 14:00 Lecture on “Behavioral studies in animal research”  
*Asst. Prof. Dr. Sukonthar Ngampramuan*
- 14:00 – 16:00 Laboratory session on “The demonstration of animal studies”  
*Asst. Prof. Dr. Sukonthar Ngampramuan , Ms. Chinarat Changsangfa, Ms. Dungdol Narasirirk,  
Ms. Sukanya Ruschadaariyachat, Mrs. kanda Putthaphongphuek, Mr. Nithikom Laoritthikrai  
And Ms. Wilairatana Ajariyaporn*

**Day 10 (Friday, 9 August 2024)**

- 09:00 – 10:00 Lecture on “Immunoassay”  
*Asst. Prof. Dr. Alita Kongchanagul*
- 10:00 – 12:00 Laboratory session on *Antibody diagnosis*  
*Asst. Prof. Dr. Alita Kongchanagul, Dr. Promsin Masrinoul, Dr. Jukrapun Komaikul,  
Dr. Niramol Jitprasutwit, Mr. Ekkarat Rodpai, Ms. Sanjira Juntarapornchai,  
Ms. Sasiporn Ruangdechsuwan, Ms. Kunjimas Ketsuwan and Mr. Iyacoob khunsri*
- 12:00 – 13:00 Lunch
- 13:00 – 14:00 Lecture on “Real-world applications of molecular biosciences”  
*Asst. Prof. Dr. Poochit Nonejuie*
- 14:00 – 16:00 Lecture on “Structural Exploration of Coronavirus Drug Targets”  
*Asst. Prof. Dr. Duangrudee Tanramluk*
- 16:00 – 16:30 Closing ceremony  
*Asst. Prof. Dr. Alita Kongchanagul*