

INTERNATIONAL SUMMER SCHOOL

METABOLISM & DISEASES

July 3rd- July 14th, 2023

Harbin Institute of Technology, Harbin, P. R. China

GENERAL INFORMATION

The second Harbin Institute of Technology International Summer School of “Metabolism & Diseases” will be hosted by the School of Life Sciences and Technology, Harbin Institute of Technology. Recent outbreaks of COVID-19 and influenza A have highlighted the significance of life and health. The School of Life Sciences and Technology focuses on public safety and well-being topics, such as glucose and lipid metabolism regulation & diseases, tissue engineering, and nanobiotechnology. We have invited international experts and scholars to establish a series of English courses, lectures, symposiums, and hands-on projects rooted in local culture while expanding global perspectives. To broaden students’ scientific and cultural knowledge, we have established a platform for learning, communication, and hands-on practice, emphasizing the interconnection and integration of knowledge. We have also designed various experiential growth training methods to encourage well-rounded development through peer-to-peer learning and collaboration. To deepen students’ comprehension of the biological underpinnings of life and health, we foster a rigorous academic environment, tap into diverse and open international resources, encourage scholarly exchanges between domestic and international faculty and students, and provide guidance and inspiration for students to become high-level international experts in their respective fields.

ATTENDANCE REQUIREMENTS

- ✓ Undergraduate students

- ✓ Interested in life sciences
- ✓ Proficiency in English (able to fluently write, converse, and report in English)

COURSES AND LECTURES

Content	Detailed information	Credit	Class Hour
Internationalization Courses	Regulation of lipid metabolism and diseases	1.5	24
Academic Frontier Lectures	Tumor cell biology, structural biology, metabolic biology, tissue engineering, etc	1.5	18

RESEARCH PROJECTS

Content	Detailed information	Credit	Class Hour
Offline Practical Activities	1 Immunofluorescence Labeling of Cellular Structure 2 Analysis of Protein Structure by Freezing Electron Microscope and Nuclear Magnetic Resonance 3 Screening and analysis of Differentially Expressed Genes in Tumors Based in Database	1	24
Discussion and Interaction	1 Teacher-student communication and discussion, Q & A session 2 Student Future Planning Guidance Symposium 3 After-class socializing		
Visiting and Studying	1 Visit the School of Life Sciences and the Life Center research laboratories, introducing the latest research achievements and outcomes in life science studies at the school and the center. 2 Visit HIT Museum and HIT Space Museum		

CONTACT INFORMATION

E-mail: hitlife28@163.com

Address: Mingde Building, Harbin Institute of Technology, No. 92 Xidazhi Street,
Nangang District, Harbin, China