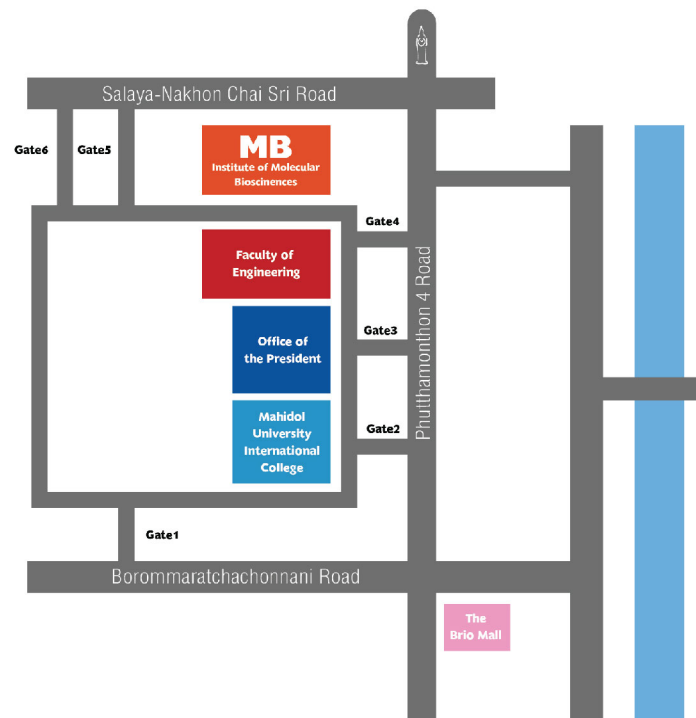


CONTACT US



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66 (0) 2441-9003 to 7



<https://mb.mahidol.ac.th/th/>



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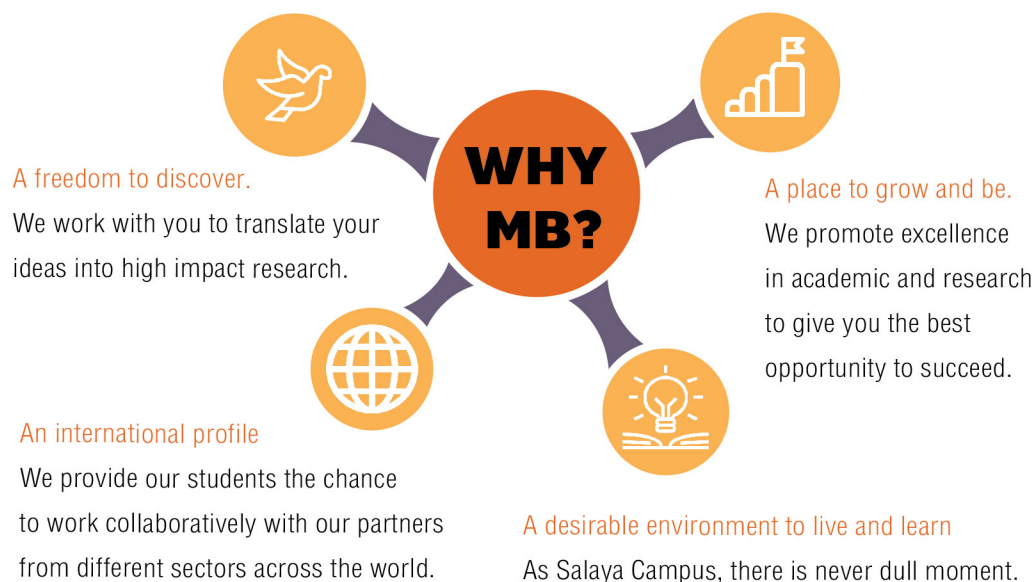


มหาวิทยาลัยมหิดล
สถาบันชีววิทยาศาสตร์โมเลกุล



*To be a World-Class
Research Institute
in the field of
Molecular Biosciences*

Institute of Molecular Biosciences



Journey to Excellence

- ▶ The Thailand Research Fund Index 5.0 (Excellent) in Microbiology, Molecular Biology and Biotechnology (3 years in a row)
- ▶ ISO Certification Chemical Safety Laboratory
- ▶ The Thailand Research Fund (TRF) Researcher Awards
- ▶ The TRF-Thomson Reuters OHEC Research Excellence Awards
- ▶ The National Research Council of Thailand Awards

MB Innovation



Dengue,
Japanese
Encephalitis,
and Zika
Vaccines



Thalassemia
diagnosis kit
by melting curve
analysis



Food allergy
diagnostic kits



Immunodiagnostic
test kits for
fasciolosis and
paramphistomosis
in ruminants



Monoclonal
antibody
for induction of
ovarian maturation
in shrimp

General Requirements

Hold a degree in the following fields

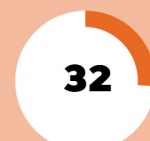
Chemistry	Genetics	Veterinary	Dentistry
Biochemistry	Medical Technology	Medicine	Nursing
Biological	Pharmacy	Physical Therapy	Psychology
Microbiology	Biotechnology	General Sciences	Or others related field

Master of Science Program

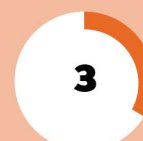
- ▶ Hold a Bachelor's (B.Sc.) with a cumulative GPS of at least

2.50

- ▶ Have a minimum English score as follows;



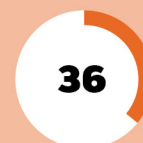
TOEFL IBT



IELTS



TOEFL ITP
(only test arranged by
FGS Mahidol University)



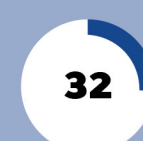
MU GRAD

Doctor of Philosophy Program

- ▶ Hold a B.Sc. with an honor degree or M.Sc. with a cumulative GPA of at least 3.50

3.50

- ▶ Have a minimum English score as follows;



TOEFL IBT



IELTS



TOEFL ITP
(only test arranged by
FGS Mahidol University)



Systems Biosciences (Ph.D.)



Our program is one of the first program in Systems Biosciences in Thailand. We offer remarkably diverse graduate research training, spanning the entire breadth of modern and integrative biology, from molecules and cells to complete systems and humans through multi-omics approaches.

The program is best suited for students who are independent, who want to play a role in determining their graduate education, and who wish to combine concepts and techniques from different areas of medical science in their research.

Additional Requirement

1. Applicants must hold a Master degree in Medical Science, Life Science, or related field and have a minimum GPA of 3.50 OR have at least one research publication in journals with impact factor.

2. Applicants from the Bachelor's degree must hold M.D., D.D.S., D.V.M., B. Pharm., or B.Sc. in medical Science, Life Science, or related field OR studying in Ph.D.–M.D. or Ph.D.–D.D.S. programs, and have a minimum GPA of 3.50.

3. Applicants who do not meet the above criteria may apply to the program under discretion of the Program Director and the Dean of the Faculty of Graduate Studies.

Research Interests

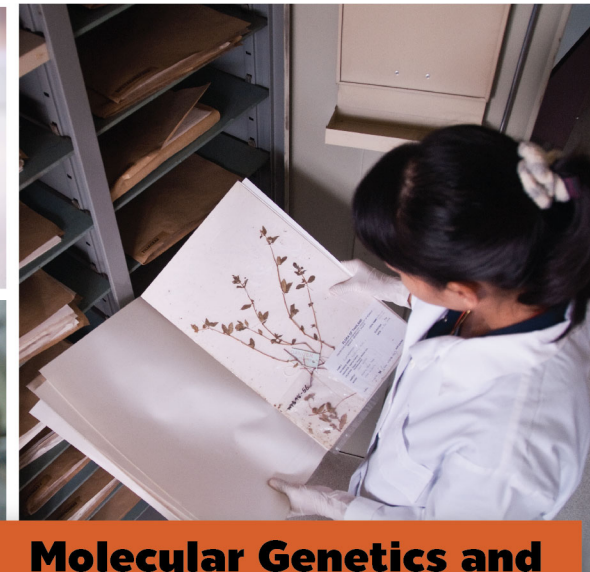
Stem Cells and Gene Therapy
Thalassemia
Host-Virus Interactions and Immunity
Vaccine Development
Drug Discovery

Program Director: Assoc. Prof. Surapon Piboonpocanun

E-mail: surapon.pib@mahidol.ac.th



Molecular Genetics and Genetic Engineering (M.Sc. & Ph.D.)



Molecular Genetics and Genetic Engineering Program was established in 1994. The program aims at the training of young scientists to be key researchers and future leaders in different fields of Molecular Genetics and Genetic Engineering.

The program's mission is to produce professional trainers who are capable of carrying out independent and original research, and can cope with a wide range of scientific problems in Molecular Biosciences.

Additional Requirement

M.Sc. program: No written examination is required. All the applicants will be interviewed in English by the interview committee. Final decision is based on five criteria which are English proficiency, knowledge, research skills, intelligence and personality.

Research Interests

Molecular Medicine
Human Molecular Genetics
Animal Molecular Biology
Plant Molecular Biology
Microbial Molecular Biology
Bio-energy Research
Structural Molecular Biology

Ph.D. Program-plan A (Research Only): The applicants must have a GPA of no less than 3.50 and be the first author on a research publication in an international journal that has a peer review process or have at least two-year experience in molecular biology research or research in related field.

Ph.D. Program-plan B: The English proficiency will be judged based on the score of TOELF or IELTS as required by the Faculty of Graduate Studies. The interview of Ph.D. applicants is emphasized on conceptual and critical thinking, research potential and ability to work independently.

Program Director: Assoc Prof. Panadda Boonserm

E-mail: panadda.boos@mahidol.ac.th



Neuroscience (M.Sc. & Ph.D.)

The Neuroscience Program emphasizes the rapidly expanding knowledge on the neurobiological basis of behavior, the critical factors influencing the development and functioning of brain and behavior, chemistry of brain functions, molecular neurobiology of gene expression and their controls in neurons and glial cells, neuropathology of locally and regionally important neuropathology and mental health problems and human and animal behavior in health and in disease.

M.Sc. program: Applicants must hold a B.Sc. (GPA of no less than 2.5) degree in the Medical-, Life-, Biological-, Physical-, Health- or General Sciences; or in Medicine, Pharmacy, Dentistry, Veterinary Medicine, Medical Technology, Physiotherapy, Nursing or Psychology and meet the requirements of the Faculty of Graduate Studies.

Ph.D. Program-plan A: Applicants must hold a M.Sc. (GPA of no less than 3.5) degree in Neuroscience or related fields and be the first or corresponding author on a research publication in a neuroscience discipline in an international journal and meet the requirements of the Faculty of Graduate Studies.

Ph.D. program-plan B: Applicants must hold a B.Sc. or M.Sc. (GPA of no less than 3.5) degree in the Medical-, Life-, Biological-, Physical-, Health- or General Sciences; or in Medicine, Pharmacy, Dentistry, Veterinary Medicine, Medical Technology, Physiotherapy, Nursing or Psychology and meet the requirements of the Faculty of Graduate Studies.

Additional advantage of the program

The Neuroscience Program at Mahidol University has signed MOU contracts with several prominent Universities in the UK, USA, Norway, Sweden, Denmark, Australia, etc.

Program Director: Prof. Banthit Chetsawang, Ph.D.
E-mail: banthit.che@mahidol.ac.th

Research Interests

Psychiatric Problems
Pineal and Melatonin
Alzheimer's Disease
Parkinson's Disease
Developmental Neuroscience
Autonomic Neuroscience
Cognitive Neuroscience

Scholarships

The Institute of Molecular Biosciences, Mahidol University, together with the international graduate programs in Molecular Genetics and Genetic Engineering, Neuroscience and Systems Biosciences realize the importance of providing higher educational opportunities for both Thai and foreign students. Thus, a number of scholarships are offered to support students with excellent academic performance who wish to study for either Master's or Doctorate degree at the Institute of Molecular Biosciences.



Scholarships supported by the International Graduate Programs in Molecular Genetics and Genetic Engineering & Neuroscience

Type I: provide full tuition fee

Type II: provide full tuition fee and monthly allowance for 5 months (5,000 baht/month)

Scholarship for students

A reduced tuition fee from 9,000 baht/credit to 1,800 baht/credit

An exemption of research fee (150,000 baht for M.Sc. students and 300,000 baht for Ph.D. students)

Scholarship for foreign students may vary among programs.

The Institute of Molecular Biosciences Research Assistantships

Scholarship is worth 40,000 baht/semester



Partial Scholarship for Master's and Doctoral Thesis. Graduate Studies of Mahidol University Alumni Association.

The 60th Year Supreme Reign of His Majesty King Bhumibol Adulyadej Scholarship



The Royal Golden Jubilee (RGJ) Ph.D. Scholarships supported by the Thailand Research Fund

National Research Council of Thailand Scholarships for Graduate Students

Thailand Graduate Institute of Science and Technology or TGIST Scholarships