Admission Number | 2 | 0 | 1 | 9 | D | G | 0 | 0

Doctor of Philosophy Programme in Immunology (International Programme)

หลักสูตร ปรัชญาดุษฎีบัณฑิต สาขาวิชา วิทยาภูมิคุ้มกัน (หลักสูตรนานาชาติ) (ภาคปกติ)

Faculty of Medicine Siriraj Hospital **Department of Immunology**

คณะแพทยศาสตร์ศิริราชพยาบาล ภาควิชา วิทยาภูมิคุ้มกัน

Expected number of students to be accepted year round : 15 Students

Admission Requirements

A candidate must:

1. Candidates must hold a Bachelor's Degree in Science or an equivalent degree in Pharmacy, Dentistry, Veterinary Medicine, Medicine or related Immunology with GPA no less than 3.50 or

2. Candidate must hold a Master's Degree in Immunology or related Immunology with GPA no less than 3.50

3. Students who are studying in the Master's Programme in Immunology can change student status to a doctoral student provided that they have already taken and passed course work at the Master's Degree level with approximately no less than 2/3 of the number of credits in required courses and have received a GPA of no less than 3.80 with approval from the Master's Programme Committee and Doctoral Programme Committee as well as the Dean of the Faculty of Graduate Studies

4. have a TOEFL score of at least 500, TOEFL computer-based score of 173, TOEFL Internet-based score of 61, or IELTS score of 5 .
   Those who do not have any of the test score specified above will have to take the English Proficiency Examination of the Faculty of Graduate Studies on the specified examination day.

5. In case your qualification does not match to the admission criteria, candidates must prior attach A Requesting Form for Examination" approved by the program director. The form must be submitted before making the application. Kindly download here:
   http://www.grad.mahidol.ac.th/grad/admission/form_th.php

Exemption from the above conditions may be granted by the Programme Committee under exceptional circumstances.

Written Examination (Applicants must attend the examination date accurately to your admission round.)

First Round January 17, 2015		Second Round May 16, 2015	
Subjects for examination	Time	Subjects for examination	Time
1. English	8.30 - 11.30 a.m.	1. English	8.30 - 11.30 a.m.
2. General Knowledge	11.30 - 12.30 p.m.	2. General Knowledge	11.30 - 12.30 p.m.
3. Biology		3. Biology	
4. Biochemistry	1.30 - 4.30 p.m.	4. Biochemistry	1.30 - 4.30 p.m.
5. Microbiology		5. Microbiology	

Examination Place

  Mahidol University , Salaya , Nakhonpathom more details : www.grad.mahidol.ac.th or Announcement at Faculty of Graduate Studies branches.

Curriculum Structure

	Credit
For students with Bachelor's Degree	
Required Courses	19
Elective Courses no less than	9
Dissertation	48
For students with Master's Degree in Immunology	
Student who has graduated from the Master of Science Programme in Immunology over five years must take an advanced course in the field of Immunology in addition to the regular twelve-credits course	
Required Courses	3
Elective Courses no less than	9
Dissertation	36
For students with Master's Degree other than Immunology	
Required Courses	11
Elective Courses no less than	3
Dissertation	36
For students transferred from Master of Science Programme in Immunology to Doctor of Philosophy Programme in Immunology	
Credits obtained from courses taken during studying in the M.Sc. Programme can be transferred to the Ph.D. programme, provided that it is the common course between the two programmes.	
Required Courses	19
Elective Courses no less than	9
Dissertation	48

	Credit
Required Courses	
For students with Bachelor's Degree * study only 1 course	
GRID 603 Biostatistics	3(3-0-6)
SCID 516 Biostatistics	3(3-0-6)
SCID 500 Cell and Molecular Biology	3(3-0-6)
SCID 518 Generic Skills in Science Research	1(1-0-2)
SCMI 602 Advanced Immunology	3(3-0-6)
SIIM 501 Immunology	2(2-0-4)
SIIM 611 Molecular Immunology	2(2-0-4)
SIIM 612 Diagnostic Immunology	3(2-2-5)
SIIM 620 Immunology Seminar II	2(2-0-4)

For students with Master's Degree in Immunology
Transferring credits from courses taken within five years is only applicable to the required courses in the list, but not to the elective courses.

	Credit
SIIM 620 Immunology Seminar II	2(2-0-4)
SCID 518 Generic Skills in Science Research	1(1-0-2)

For students with Master's Degree other than Immunology
Transferring credits from courses taken within five years is only applicable to the required courses in the list, but not to the elective courses. [* study only 1 course]

	Credit
GRID 603 Biostatistics	3(3-0-6)
SCID 516 Biostatistics	3(3-0-6)
SCID 518 Generic Skills in Science Research	1(1-0-2)
SCMI 602 Advanced Immunology	3(3-0-6)
SIIM 611 Molecular Immunology	2(2-0-4)
SIIM 620 Immunology Seminar II	2(2-0-4)

For students transferred from Master of Science Programme in Immunology to Doctor of Philosophy Programme in Immunology. The following courses, which have not been taken during studying in M.Sc. Programme. [* study only 1 course]

	Credit
GRID 603 Biostatistics	3(3-0-6)
SCID 516 Biostatistics	3(3-0-6)
SCID 500 Cell and Molecular Biology	3(3-0-6)
SCID 518 Generic Skills in Science Research	1(1-0-2)
SCMI 602 Advanced Immunology	3(3-0-6)

SIIM 501 Immunology	2(2-0-4)
SIIM 611 Molecular Immunology	2(2-0-4)
SIIM 612 Diagnostic Immunology	3(2-2-5)
SIIM 620 Immunology Seminar II	2(2-0-4)
Elective Courses	
SIIM 614 Immunity and Infection	2(2-0-4)
SIIM 615 Molecular Biochemistry of Cancer	1(1-0-2)
SIIM 616 Stem Cell Science	3(3-0-6)
SIIM 617 Advanced Flow Cytometry	2(1-1-2)
SIIM 618 Molecular Biology Techniques	3(2-2-0)
Dissertation	
SIIM 699 Dissertation	36/48(0-108/144-0)

* These may change in cases where there are suggestions for the improvement of the curriculum

Additional advantages of the programme
1. Two Senior Research Scholars from Thailand Research Fund
2. Immunology and Molecular Biology in Medicine

Details of Scholarship
- The Faculty of Medicine Siriraj Hospital
- The Thailand Research Fund
- The National Science and Technology Development Agency (NSTDA)

Job option after graduation
- Lecturer
- Academia
- Project Analyst

Application Process
Application is only available via online application at www.grad.mahidol.ac.th

Required Documents

Prepare the following required documents to submit via online admission system or post :

- Two (2) recent photographs (1x1 inch in size)

- A copy of an applicant's degree certificate or a letter of graduation certification   2 copies
  (for an applicant with a degree completion)

- A letter certifying that an applicant is currently in the final year prior to graduation   2 copies
  (for an applicant seeking for a degree)

- A detailed transcript of a degree (for an applicant with a degree completion)   2 copies

- A grade report with course names and grades received from the first to the current   2 copies
  semester prior to graduation

- A copy of identification card   2 copies

- A copy of house registration certification   2 copies

- A copy of Certificate of English score: TOEFL/IELTS/MU-Test (if any). See detail here: 2 copies
  http://www.grad.mahidol.ac.th/grad/academicinfo/engstandard2553_th.php
  Those who early submit a valid English score prior to the examination will be exempt
  from English test on the examination date.

- A copy of proof of payment.

Submitting documents via online admission system.

- All documents must be in <u>pdf format</u> (maximum size 2 MB)
- Recent photograph must be in <u>jpeg format</u> only (maximum size 2 MB)

Further information may be obtained from the Faculty of Graduate Studies, Immunology :

1. Prof.Kovit Pattanapanyasat   (E-mail : grkpy@mahidol.ac.th)

   Room 1125, Adulyadejvikrom Building, Floor 11,

   Department of Immunology, Faculty of Medicine Siriraj Hospital.

   Tel : 0 2419 9752, 0 2419 7000 Ext. 6635-6   Fax : 0 2418 1636

2. Assoc.Prof.Pattama Ekpo   (E-mail : sipep@mahidol.ac.th)

   Room 1111, Adulyadejvikrom Building, Floor 11,

   Department of Immunology, Faculty of Medicine Siriraj Hospital.

   Tel : 0 2419 9752, 0 2419 7000 Ext. 6635-6   Fax : 0 2418 1636

<u>Note</u>   1. For more education information : **http://www.grad.mahidol.ac.th**

For more information please contact The Student Admission Section.
Tel . 0 2441 4125 ext. 208-210 , 0 2441 9129, E-mail : gradthai@mahidol.ac.th