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Doctor of Philosophy Programme in Immunology (International Programme)

หลักสูตร วิทยาศาสตรบัณฑิต

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.

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

Curriculum Structure

	Credit
<i>For students with Bachelor's Degree</i>	
Required Courses	19
Elective Courses no less than	9
Dissertation	48
<i>For students with Master's Degree in Immunology</i>	
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
<i>For students with Master's Degree other than Immunology</i>	
Required Courses	11
Elective Courses no less than	3
Dissertation	36
<i>For students transferred from Master of Science Programme in Immunology to Doctor of Philosophy Programme in Immunology</i>	
*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	
<i>For students with Bachelor's Degree</i>	
* 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.

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]

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]

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)
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* 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 (for an applicant with a degree completion) 2 copies
- A letter certifying that an applicant is currently in the last semester prior to graduation (for an applicant seeking for a degree) 2 copies
- 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 semester prior to graduation 2 copies
- A copy of identification card 2 copies
- A copy of house registration certification 2 copies
- A copy of proof of payment.

Submitting documents via online admission system.

- All documents must be in pdf format (maximum size 2 MB)
- Recent photograph must be in jpeg format 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

Note 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