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**Doctor of Philosophy Programme in Immunology (International Programme)**

**Faculty of Medicine Siriraj Hospital**

**Department of Immunology**

**Admission Requirements**

**A candidate must:**

1. Candidates must hold a Bachelor's Degree in Science or equivalent degree in Pharmacy, Dentistry, Veterinary Medicine, Medicine or related Immunology with a minimum GPA 3.50, **or**
2. Candidate must hold a Master's Degree in Immunology or related Immunology with a minimum GPA 3.50
3. Students who are studying in the Master's Programme in Immunology may change student status to a doctoral student in case of passing current Master program coursework with approximately at least 2/3 of the total credit of required courses with a minimum GPA 3.80 under co-approval from the Master's and Doctoral Programme Committee as well as the Dean of the Faculty of Graduate Studies
4. Have a TOEFL ITP score of at least 500, TOEFL Internet-based score of 61 or IELTS score of 5.

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

**Curriculum Structure**

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

Required Courses	Credit
<b><i>For students with Bachelor's Degree</i></b>	
<b>* study only 1 course</b>	
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)
<b><i>For students with Master's Degree in Immunology</i></b>	
<b>Transferring credits from courses taken within five years is only applicable to the required courses in the list, but not to the elective courses.</b>	
SIIM 620 Immunology Seminar II	2(2-0-4)
SCID 518 Generic Skills in Science Research	1(1-0-2)
<b><i>For students with Master's Degree other than Immunology</i></b>	
<b>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]</b>	
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)
<b><i>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]</i></b>	
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)
<b>Elective Courses</b>	
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)
<b>Dissertation</b>	
SIIM 699 Dissertation	36/48(0-108/144-0)
<b>* These courses may be changed in case of curriculum revision</b>	

#### **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](http://www.grad.mahidol.ac.th)

#### **Required Documents**

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

1. Completed an Online Application at [www.grad.mahidol.ac.th](http://www.grad.mahidol.ac.th) which comprised with
  - Form A** : Application Form
  - Form B** : Background and Proposed Field of Study
  - Form C** : Recommendation Forms (directly submitted by at least 2 referees)
2. Two copies of Degree Certificate (with officially certified English translation)
3. Two copies of Academic Transcript (with officially certified English translation)
4. Two copies of Recent Photos (Passport size)
5. Two copies of Passport

6. Two copies of English certificate (TOEFL/ IELTS/ MU-Grad Test)

**(For Doctoral Program)**

- TOEFL ITP score of at least 500, TOEFL Internet-based score of 61, or IELTS score of 5

**(For Master's Program)**

- TOEFL ITP score of at least 480, TOEFL Internet-based score of 54, IELTS score of 5 or MU GRAD TEST score of 60.

**Notes**

- Only accept TOEFL ITP score from examination center arranged by Faculty of Graduate Studies, Mahidol University.
- TOEFL ITP taken from other domestic and overseas institutes are invalid.
- The test date must be within previous 2 years before application date
- Applicant who obtained a valid English score must submit an **official score certificate** along with your application. Otherwise, your English score will not be considered.
- Detail of English Competency Standard for Admission:  
<http://www.grad.mahidol.ac.th/en/current-students/language-center.php>

7. Two copies of Curriculum Vitae

8. Two copies of Statement of Purposes and Career Goals

9. Two copies of Current bank statement / Scholarship letter (if any)

10. Two copies of Concept paper / research proposal (recommended for all applicants)

11. Two copies of additional documents may be requested by each program (such as letter of work experience / professional license/ related certificates and awards)

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](mailto:grkpy@mahidol.ac.th))**

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

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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 : [gradinter@mahidol.ac.th](mailto:gradinter@mahidol.ac.th)**