

Chiang Mai University International Medical Challenge CMU-IMC 9th – 12th November 2018

Chiang Mai University International Medical Challenge, CMU-IMC, is an international medical event, held annually by the Faculty of Medicine, Chiang Mai University. CMU-IMC was held for the first time in 2014 as a part of the celebrations to mark the 55th Anniversary of the Faculty of Medicine. Following the success of CMU-IMC 2014, it was decided that the faculty would hold the event annually. Since then, in November each year, over 100 medical students from 30 universities from 12 countries from all around the world have gathered to compete, to learn and to share their ideas with each other.

CMU-IMC consists of various academic and non-academic activities: IMC's signature rounds competition, Poster Competition, Special Lecture, and more. The main goals of the activities are to emphasize the importance of basic medical science as a cornerstone of Clinical Applications, and to offer participants a positive learning environment.

Even though the pattern of the competition is similar each year, the theme of the competition is not always the same. The theme of past years have been: *Basic to Clinical Pathophysiology*, *Basic to Clinical Biochemistry*, *Basic to Clinical Anatomy*, and *Hematology and Transfusion Medicine*. This year, the theme of CMU-IMC 2018 is "Basic to Clinical Infectious Diseases".

CMU-IMC 2018

IMC's Signature Round

IMC's Signature Round is one of the major 3 academic activities of IMC 2018, consisting of 2 main rounds, the first being Multiple-Choice-Questions (MCQ) and the second a round conducted on the stage. In both rounds, the key topic will be Basic to Clinical Infectious Diseases.

1. Multiple-Choice-Question Round (MCQ)

The MCQ round is the qualifying round and the first round of the competition in which all the contestants will take the case-based examination individually to challenge the basic knowledge of the students. A maximum of 50 teams will take part in the MCQ or Qualifying Round on 9th November. This is an individual challenge. Each member of the team will complete a 2-hour examination paper consisting of 80 questions. (See "References" section for the scope of the questions)

The questions are in the form of "MCQ" (Multiple Choice Questions) with 5 choices. One point will be awarded for each correct answer and the points gained by each member will be added together to give a total team score. The 16 teams with the highest total point score will qualify for the next round, the Semi-final Stage Round.

The method of answering the multiple-choice questions will be explained to all teams before the competition starts.

2. Stage Round

The stage round consists of 4 minor rounds, including: a semi-final round, revival round, resuscitation round, and final round. These rounds will test the critical-thinking and problem-solving abilities of each team, using simulated resource-limited scenarios.

i. Semi-Final Round

In this round the 16 qualifying teams will be divided into 2 pools according to the team scores from the MCQ Round:

Pool A – 1st, 3rd, 5th, 7th, 9th, 11th, 13th, and 15th

Pool B – 2nd, 4th, 6th, 8th, 10th, 12th, 14th, and 16th

The activity in this round will be a team challenge and will take part pool by pool. The teams will be seated on the stage and collect points by answering questions. Out of each pool, the 2 teams with the highest score will qualify immediately for the Final Round while the next 4 teams (3rd-6th places) will enter the Revival Round. The last 2 teams will be knocked out. In the case of equal scores, a Sudden Death Challenge will take place. (See the section “Sudden Death Challenge” for details.)

ii. Revival Round

In this round the 4 teams from Pool A and 4 teams from Pool B from the Semi-final Round will compete against each other. This is a team challenge and is an elimination round. If there is only 1 team that is not eliminated during the game, that team will qualify for the Final Round. If there is more than 1 team still on the stage at the end of the round, the team with the highest score from this round will qualify for the Final Round. If the scores are equal, a Sudden Death Challenge will be used to select the qualifying team from this round.

iii. Resuscitation Round

This is an opportunity for the 34 teams from the MCQ Round who did not qualify for round 2 to win a special prize. All the teams will participate in the Revival Round. In this round these teams will stay in the audience and answer questions from the stage. The questions used in this round are the same as the Revival Round, however the competitors will answer the questions in teams and send answers to CMU staff before answers on stage are revealed. The 2 teams with the highest scores, 1 Thai team and 1 international team, will be awarded prizes.

In the case of equal scores, the total points from the MCQ Round will be taken into account.

Sudden Death Challenge

This will be used in case of a tie in the Semi-Final and the Revival Rounds. A question will be asked, and if a team answers incorrectly while some other teams are correct, that team will be eliminated. The team which remains will qualify for the next round. If the team cannot be identified for any reason the total points accrued so far will be taken into account.

iv. Final Round

5 teams will be competing in this round. The competing teams will be:

- 2 teams from the Pool A Semi-final
- 2 teams from the Pool B Semi-final
- 1 team from the Revival Round

There will be 3 **team challenges** in this round. The team will accrue scores from each round and the team with the highest total score will be the winner of CMU-IMC 2018.

References for the Competition

1. **Awetz Melnick and Adelbergs Medical Microbiology** 27th Edition by Karen C. Carroll, Janet S. Butel , Stephen A. Morse
 2. **Medical Microbiology** 8th Edition by Patrick R. Murray PhD, Ken S. Rosenthal PhD, Michael A. Pfaller MD
 3. **Cellular and Molecular Immunology** 9th Edition by Abul K. Abbas MBBS, Andrew H. H. Lichtman MD PhD, Shiv Pillai MBBS PhD
 4. **Mandell, Douglas, and Bennett's Principles and Practice of Infectious Diseases: 2-Volume Set**, 8th Edition by John E. Bennett MD MACP, Raphael Dolin MD, Martin J. Blaser MD
 5. **Foundations of Parasitology** 9th Edition by Larry S Roberts, John Janovy Jr., Steve Nadler
 6. **Principles and Practice of Pediatric Infectious Diseases** 5th Edition by Sarah S. Long MD, Charles G. Prober MD, Marc Fischer
 7. **Red Book 2018: Report of the Committee on Infectious Diseases** 31st Edition by David W. Kimberlin MD FAAP, Sarah S. Long MD FAAP, Michael T. Brady MD FAAP, Mary Anne Jackson MD FAAP
 8. **Plotkin's Vaccines**, 7th Edition by Stanley A. Plotkin MD, Walter Orenstein MD DSc (HON), Paul A. Offit MD, Kathryn M. Edwards MD
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Poster Competition

This session provides a platform for those who have carried out, or plan to carry out, research work, or health campaigns in the field of Infectious Diseases. It is a chance for the students to share their work, and also to provide an opportunity for cooperation and connection.

Opportunities for two types of poster presentation are offered at CMU-IMC 2018: A Research Poster Competition, and Descriptive Poster Competition.

1) Research Poster

This option is for research conducted in all disciplines. Abstracts submitted under this heading should contain concise contents of:

Background: indicating objectives of the research, the hypothesis that was tested or description of the problem being analyzed or evaluated;

Methods: a description of the study period / setting / location, data collection and methods of analysis used;

Results: a presentation of the outcomes of the study as clearly as possible. Also, a summarizing of any specific results;

Conclusions: an explanation of the significance of the findings / outcomes of the study, and future implications of the results.

2) Descriptive Poster

A **Descriptive Poster** encompasses a project, policy implementation or management. An abstract submitted under the second option should contain concise contents of:

Background: summarizing the purposes, scope and objectives of the project or policy;

Description: in which the project or policy period / setting / location, structure, key population (if applicable), activities and interventions undertaken in support of the project or policy are described;

Results: a presentation of the outcomes of the project or policy as clearly as possible; including an analysis or evaluation of the practices. This section should include a summary of the specific results that support best practices;

Conclusion: an explanation of the significance of the outcomes of the project or policy, and future implications of the results.

Scope of presentation needs to be within the IMC topic of Infectious Diseases

Rules

1. For the abstract, no more than **300** words will be accepted. The font used has to be **Arial** size **12**.
 2. IMC 2018 accept all research including the ones that have been in other conferences before, unless the researches have not already been embargoed. And we do **NOT** accept any **copyright** research from other conferences.
 3. The length of the presentation is no longer than 5 minutes.
 4. The contestants must be medical students who have not yet graduated from medical school.
 5. The amount of individuals representing their institution are not limited.
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Special Lectures

The Special Lecture is an exclusive workshop offering the opportunity for discussion with renowned professional researchers in the field of infectious diseases. For CMU-IMC 2018, the lecturers are Prof. Dr. Suwat Charialertsak, MD; and Voravit Suwanvanichkij, MPH, MD.

Topics

1. Beyond the Borders of Medicine: Structural Impacts on the Health of Displaced and Ethnic Communities by Voravit Suwanvanichkij, MPH, MD
 2. From Curiosity to Groundbreaking Research by Prof. Dr. Suwat Charialertsak, MD
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Schedule

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| November 9 th 2018 | Arrival and Registration |
| November 10 th 2018 | Poster Presentation Special Lectures First Round of CMU-IMC Competition Khan Tok Cultural Dinner |
| November 11 th 2018 | Chiang Mai Tour |
| November 12 th 2018 | Stage Round of CMU-IMC competition Farewell Cultural Night |

Note: Participants must arrive at Chiang Mai on 9th November 2018 before 6pm. And participants can leave Chiang Mai on November 13th, 2018 because the last activity of CMU-IMC (Farewell Cultural Night) ends at 10 PM on November 12th, 2018.

Registration for CMU-IMC

Applicant Qualifications

Applicants must be enrolled and registered on a medical undergraduate degree program at the time of application and competition.

- Proof of student status or a copy of student ID card is required.

Each university/college can send up to 2 teams of students. ONE team consisting of 3 medical students with or without 1 professor or advisor. [Note: One professor or advisor can accompany the team(s)]

- Please note that participants who attended the Chiang Mai University International Medical Challenge (CMU-IMC) 2017 can re-attend.

There are two registration periods, Early Bird Promotion and Regular.

During the Early Bird Promotion period the registration system will be open for a period of time and then will be temporarily closed. Once information from the early bird participants has been confirmed and processed, regular registration will open.

Early Bird Registration Period:

14th May – 30th June 2018 12.00PM (GMT+7)

Regular/Standard Registration Period:

1st July – 31st July 2018 12.00PM (GMT+7)

Application Fee for IMC Round Competition (Team)

Early-Bird Fee: 540.00 USD (17,280 THB)

3 Applicants, 1 Advisor [Optional]

+ 1 Poster presenter (+ 50 USD) [Optional]

* This price is the total amount of 4 persons, including advisor. There is no refund/discount for any renouncement.

Regular Fee: 670.00 USD

3 Applicants, 1 Advisor [Optional]

+ 1 Poster presenter (+ 80 USD) [Optional]

Application Fee for Poster Competition (Individual)

Early-Bird Fee: 130.00 USD

Regular Fee: 160.00 USD

Note: If the committees do not receive the full amount of an applicant's fee as stated, the applicant must be responsible for the difference.

What is included in the application fee?

- Registration
- Accommodations (4 days and 4 nights)
- All meals and snacks, including Khan-tok Dinner
- Transportation in Chiang Mai
(Excluding travel expenses from your country or city, such as airline tickets, train tickets, etc.)
- Entrance fee for tourist attractions

Travel Insurance

Throughout the period of CMU-IMC, travel insurance for all competitors and advisors will be provided.

Transportation and Accommodation

We will only be responsible for transportation and accommodation on the days of the event (9th – 12th November 2018). Any arrivals that are not within the event are not included in the price of CMU-IMC.

Cancellation

If any teams have to cancel their application but have completed the payment process, please contact us through an e-mail(cmu-imc@cmu.ac.th) by midnight on 30th September 2018. Applicants will receive a refund for half of the application fee. Any cancellation after 30th September 2018 will not be eligible for a refund. (Please note that the transfer fee is not included in the refund.)

Changing Participants

Any team who would like to change their participant(s) have to notify the CMU-IMC 2018 Committee **within 1 month** in advance of the event (October 9th 2018) in either of the following ways:

1. Email: cmu-ipc@cmu.ac.th
2. Facebook page: CMU International Medical Challenge

Registration: Step-by-Step

1. Access CMU-IMC website: <http://cmu-ipc.med.cmu.ac.th>
2. Click "Register". If you already have an account, please skip to step 4
3. Fill in the form provided, and click "Register"
4. Log in and go to "Edit information"
5. Complete the application form on the site, either from
14th May – 30th June 2018 [Early Bird]
1st July 2018 - 31st July 2018 [Regular]
6. Transfer the application fee using the information below.

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| Beneficiary's name | CMU-IMC Mr.Charoenphong Klinkiang/Mr.Teepagon Tonggon (CMU-IMC) กระทำการแทนโดย นายเจริญพงษ์ กลิ่นเกลี้ยง/นายทีปกร ทองก้อน |
| Money transfer account number | 566-534031-6 |
| Beneficiary's Bank | The Siam Commercial Bank PCL. (ธนาคารไทยพาณิชย์) |
| Branch | Faculty of Medicine Chiang Mai (คณะแพทยศาสตร์เชียงใหม่) |
| Address | 110 Intawaroros rd, Sripoom, Muang, Chiang Mai 50200 Thailand (เลขที่ 110 ถนนอินทวโรรส ตำบลศรีภูมิ อำเภอเมือง จังหวัดเชียงใหม่ 50200) |
| SWIFT CODE | SICOTHBK |
| Additional bank charges may vary according to the policies of different banks. CMU-IMC is not responsible for any charges associated with transaction fees. | |

7. Log in and go to "Upload & Confirm Transfer Slip" to upload your transfer slip.

| Important note about payment | |
|-------------------------------------|---|
| Early Bird | <ul style="list-style-type: none"> - payment must be made within 15 days after first step approval and before 30th June 2018. - the receipt must be uploaded and confirmed before 30th June 2018. - late applicants will have to apply and pay fees at the Regular rate. |
| Regular | <ul style="list-style-type: none"> - payment must be made within 15 days of first step approval and before 31st July 2018. - the receipt must be uploaded and confirmed before 31st July 2018. |

8. Upload team photo at "Upload team photo" in the registration section.

Time taken for each section to be approved

It may take us up to 3 days to approve the submitted information. You can regularly check your approval status on our website (on <http://cmu-ipc.med.cmu.ac.th/reg/>) or your email from the 4th day after you have submitted the information of each step-in order to ensure that every step has been successful.

The number of applications is limited to 50

CMU-IPC would like to apologize that we are unable to accept every submitted application. The maximum number of teams participating in the event is limited to 50, based on order of registration. The number may be changed at the discretion of the CMU-IPC committee, as appropriate.

Note

- For any questions or request, please contact us via CMU-IPC E-mail cmu-ipc@cmu.ac.th

Observer Registration

[Registering for an observation seat at CMU-IPC 2018](#)

10 seats * have been allocated for observers of the competition, the Faculty of Medicine, Chiang Mai University, and the city of Chiang Mai.

Registration period

14th May 2018 – 31st July 2018 12.00PM (GMT+7)

Qualification

Anyone can apply for an observation seat at CMU-IPC 2018.

The application fee for an observation seat is 200 USD which includes:

- Registration
- Hotel (4 days and 4 nights)
- All meals and snacks, including Khan-tok Dinner
- Transportation in Chiang Mai
(Excluding travel expenses from your country or city, such as airline tickets, train tickets, etc.)
- Entrance fee for tourist attractions
- *Observation of all rounds of the CMU-IPC 2018 competition*
- *A short tour of the Faculty of Medicine, Chiang Mai University*

Registration for Observer:

http://cmu-ipc.med.cmu.ac.th/info_observer.html

* Seat reservation is confirmed when an observer **has paid** the full amount and has his/her payment confirmed. If the seat limit is exceeded, the first step application will be rejected and it will not be possible to proceed to the payment step.