

Program Coordinators



Assoc. Prof.

Dr. Alain Jacquet, PhD

Division of Allergy and Clinical Immunology,
Recombinant vaccine unit,
Department of Medicine, Faculty of Medicine,
Chulalongkorn University
Email: Alain.J@chula.ac.th



Asst. Prof.

Dr. Kanitha Patarakul, MD, PhD

Department of Microbiology,
Faculty of Medicine, Chulalongkorn University
Email: kpatarakul@gmail.com

Enrollment Fee

> Full registration:	10,000 Baht	
> Lectures only:	1,000 Baht	

Scholarship



Five grants will be offered to participants from ASEAN countries. The granted participants must also attend the PEP tele-course.

All registration fee for both course and workshop and accommodation (faculty dormitory) will be waived. Air Ticket fee will be paid for participants from Lao, Myanmar, and Vietnam.



CHULA
INTERNATIONAL
WORKSHOP

PEP2012



PROTEIN EXPRESSION & PURIFICATION STRATEGIES

FOR MORE INFORMATION PLEASE CONTACT:

Graduate Division, Faculty of Medicine,
Chulalongkorn University,
Rama 4 Road, Pathumwan, Bangkok, 10330
Phone: 66-2-256-4475, 66-2-256-4493
Email: smedsuk@md.chula.ac.th
mdresearch@gmail.com

FOR PROGRAM DETAILS AND APPLICATION PROCESS PLEASE VISIT:

<http://grad.md.chula.ac.th/english/>
<http://www.md.chula.ac.th/english/>

ผู้เข้าร่วมโครงการประชุมได้โดยไม่เป็นอันลา และสามารถเบิกค่าใช้จ่ายการเดินทาง ค่าเบี้ยเลี้ยง ค่าที่พัก และค่าลงทะเบียนได้ตามสิทธิ และตามระเบียบกระทรวงการคลัง



Chula
International Workshop



Protein Expression &
Purification Strategies

Faculty of Medicine
Chulalongkorn University
Bangkok, Thailand

1-5 October 2012



Chula International Workshop

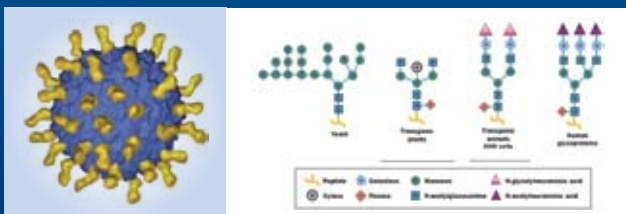


2012

Protein Expression & Purification Strategies

Program Description

Description of recombinant protein technologies, from the protein production to their applications in human health. This workshop will provide a solid understanding of specific topics through classroom presentation and laboratory work.

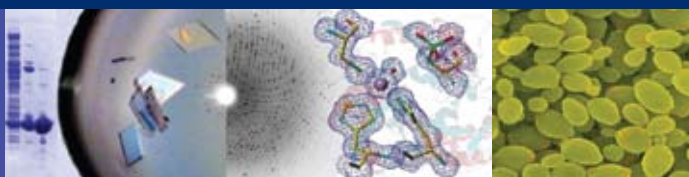


Application Deadline

31 August 2012 including Travel grant

Venue

This workshop will be held at Aor Por Ror Building, Faculty of Medicine, Chulalongkorn University.



Scientific Program

1 OCTOBER 2012

- 08.15 - 08.30 **Opening ceremony**
 08.30 - 09.30 **Lecture 1:**
 Introduction to recombinant protein expression
 • Dr. Kaniha Patarakul
- 09.30 - 10.00 *Coffee Break*
 10.00 - 11.00 **Lecture 2:**
 Glycoproteins; purification and characterization
 • Dr. Alain Jacquet
- 11.00 - 12.00 **Lecture 3:**
 Protein expression in the yeast *P.pastoris*
 • Dr. Andy Chevigne, Luxembourg

12.00 - 13.00 *Lunch Break*

13.00 - 14.00 **Lecture 4:**
 VLP production and purification
 • Dr. Alain Jacquet

14.00 - 15.00 **Lecture 5:**
 Protein crystallography
 • Dr. Kuakarun Krusong, Faculty of Science

15.00 - 15.30 *Coffee break*

15.30 - 16.30 **Lecture 6:**
 Bioinformatic analysis (protein-protein interactions)
 • Dr. Dimitri Gilis, Belgium

16.30 - 17.00 **Questions/answers to the experts**
 17.00 **Welcome Party**

2-3-4 OCTOBER 2012

09.00 - 12.00 **Morning Lab Session**

12.00 - 13.00 *Lunch Break*

13.00 - 16.30 **Afternoon Lab Session**

Scientific Program

3 OCTOBER 2012

Poster Session/selected abstract presentation part 1



5 OCTOBER 2012

09.00 - 12.00 **Conclusion, hint and tips**
Poster Session/selected abstract presentation part 2

12.00 - 13.00 *Lunch Break*

13.00 - 14.00 **Evaluation and closing ceremony**

Four different Lab sessions

- 1) Expression of a recombinant protein using the *P.pastoris* expression system
- 2) Glycoprotein detection and characterization
- 3) Purification of a mixture of 4 different proteins (including one glycoprotein) through the use of ion exchange, gel filtration and affinity chromatography
- 4) Bioinformatics Lab session (protein-protein interactions)

Abstract submission

Poster/oral presentation session are also scheduled. Please submit your abstract (max 300 words), in any field related to proteins and/or any topics from the workshop, before 31st August 2012. Some abstracts will be selected for oral presentation. Other abstracts will be presented as posters.