

Program Coordinators



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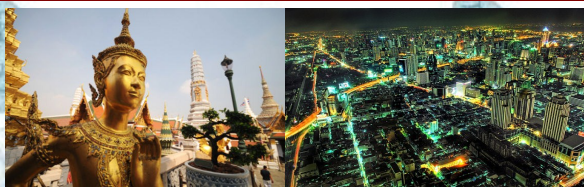
Enrollment Fee

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.



FOR MORE INFORMATION PLEASE CONTACT:

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FOR PROGRAM DETAILS AND APPLICATION PROCESS PLEASE VISIT:

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



Chula International Workshop



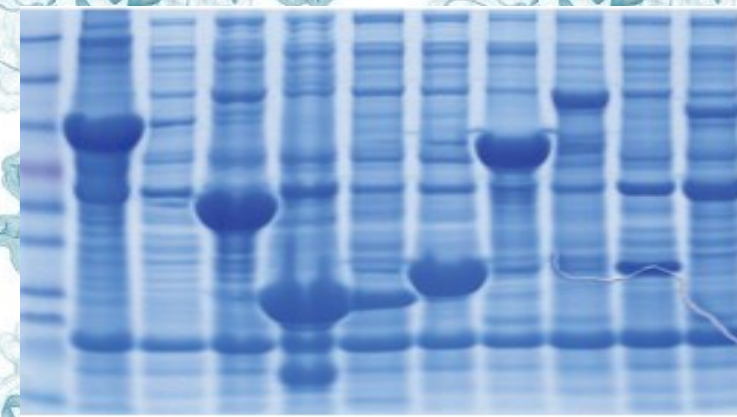
2012

Protein Expression &
Purification Strategies

**Faculty of Medicine
Chulalongkorn University**

**Bangkok
Thailand**

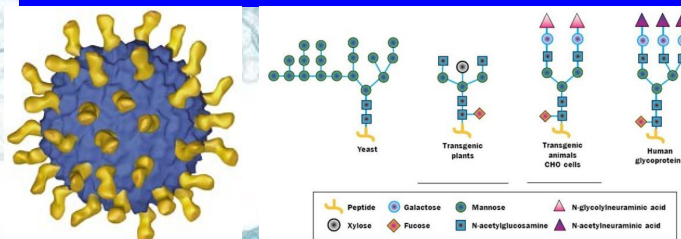
1-5 October 2012





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 Oct 2012

- 8.15-8.30 **Opening ceremony**
- 8.30-9.30 **Lecture 1**: Introduction to recombinant protein expression
(*Dr. Kanitha Patarakul*)
- 9.30-10.00 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

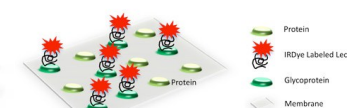
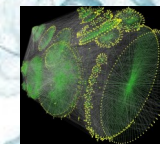
2-3-4 Oct 2012

- 9.00-12.00 **Morning Lab Session**
- 12.00-13.00 Lunch Break
- 13.00-16.30 **Afternoon Lab Session**

3 Oct 2012

Poster Session/selected abstract presentation part 1

Scientific Program



5 Oct 2012

- 9.00-12.00 **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.