



Program

The 2nd Thailand Biologics Workshop: Manufacturing of Therapeutic proteins

25 – 26 November 2019*

@ Suranaree University of Technology, Nakhon Ratchasima, Thailand

Session I: Monday 25th November 2019* Introduction: From genes to clinical trials

Time	Program	Speaker
9.00 – 9.15	Opening ceremony presided by TCELS director and group pictures	
9.15 – 10.30	Introduction of pharmaceutical development - Concept of drug substance, drug product, upstream and downstream processes development - Quality consideration and unit operation	Olivier Laurent
	Morning coffee/tea break 10.30 – 10.45	
10.45 – 12.00	- Quality consideration during development	Olivier Laurent
	Lunch time 12.00 – 13.00	
13.00 – 14.15	Drug substance - Cell line generation and upstream process development - Downstream process - Release specification and stability	Trent Munro
	Afternoon coffee/tea break 14.15 – 14.45	
14.45 – 15.45	Drug Product - What you reuse from drug substance development (e.g. bioassays) - What you need to do that is unique to drug product	Olivier Laurent
15.45 – 16.45	- What to consider to make biosimilars - Quality control and regulatory consideration	Trent Munro & Olivier Laurent
16.45 – 17.00	Q&A	

* This is a tentative program, the precise subject title, course content and speaker may be changed, but the core contents will be as indicated.



Session II: Tuesday 26th November 2019*

Laboratory Workshop

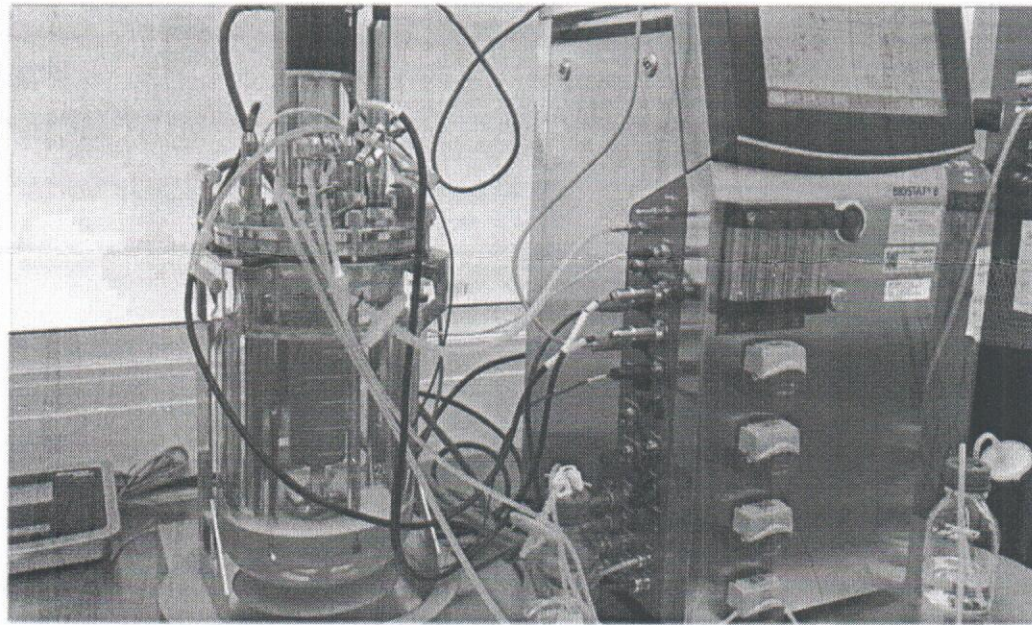
Time	Program
9.00 – 9.15	Introduction to the hands-on workshop
9.15 – 9.45	Demonstration of lab-scale production in MY Lab SUT
9.45 – 10.45	- Demonstration of various types of bioreactors - Sample collection and testing (experiments)
	Morning coffee/tea break 10.45 – 11.00
11.00 – 12.00	Demonstration of lab-scale purification
	Lunch time 12.00 – 13.00
13.00 – 14.00	- Sample collection and analysis (results and discussion) - Discussion about possible factors affecting the quality of biologics
	Afternoon coffee/tea break 14.00 – 14.15
14.15 – 15.00	Presentation of MY Lab Antibody Production Platform
15.00 – 15.30	- General discussion - Certificate giving ceremony

* The laboratory session will be conducted by Prof. Montarop Yamabhai and her Staffs. In addition, the two experts, Prof. Trent Munro and Dr. Olivier Laurent will be available to discuss and answer all relevance questions all day during the second day workshop.

Biologics Workshop



Manufacturing of Therapeutic Proteins



The second workshop on biologics research after the first Thailand-Australia Biologics Workshop (from bench to bedside), is a 2-day workshop, which will be held during Monday, 25- Tuesday, 26 of November, 2019. The aim of this year workshop is to focus on issues essential for GMP manufacturing of therapeutic proteins, especially therapeutic antibody. The workshop is divided into 2 parts, the first day is a series of lectures and the second day is the demonstration of the production platform developed in the molecular biotechnology laboratory (MY Lab) at SUT, NBF, Australia, and other companies, as well as in-dept discussion with experts in the fields from USA, and Australia regarding manufacturing of therapeutic antibody. Registration for a certificate is possible.



Prof. Trent Munro
National Biologics Facility,
Queensland, Brisbane,
Australia



Dr. Olivier Laurent
Vice President, Development
@ Dauntless Pharmaceuticals,



Prof. Montarop Yamabhai
School of Biotechnology, Suranaree
University of Technology, Thailand

1

LECTURES

From antibody
discovery to clinical trial

Biosimilars
Manufacturing

2

DEMONSTRATION & DISCUSSION

Running a 5-10 L
Bioreactors

3

PLATFORM

Antibody discovery and
Expression system
using MY Lab Platform



Registration