



Chulabhorn Graduate Institute
0401401 Integrated Life Sciences for Chemical Biology

Course Description:

The course covers the fundamental knowledge on integrated structural and functional organization of life processes at the molecular and cellular levels, cell biology, biochemistry, physiology and microbiology, basic concepts and techniques employed in cell biology.

Course Coordinator: Chatchakorn Eurtivong, Ph.D.

Course Category: Prerequisite Course

Duration: 4th June 2019 to 9th June 2019

Time: See Schedule

Place: Room R606, 6th floor, Service Building, Chulabhorn Research Institute

Grading Scheme: Final Examination 100%

Tentative Schedule

Date	Topic	Lecturer
4 th June, 2019 09:10 – 10:10	Subcellular Organelles	VC
4 th June, 2019 10:10 – 11:10	Structural and Molecular Organization of Cell Membranes	KL
4 th June, 2019 11:10 – 12:10	Principle of Protein Structure and Function	NP
5 th June, 2019 09:00 – 10:00	Enzymology	NP

5 th June, 2019 10:00 – 11:00	Integrative Metabolism	LN
5 th June, 2019 11:00 – 12:00	Biological Information Flow: Nucleic Acids, DNA, RNA and Protein Synthesis	RS
5 th June, 2019 12:00 – 13:00	Regulation of Gene Expression I	RS
6 th June, 2019 10:00 – 11:00	Regulation of Gene Expression II	JD
6 th June, 2019 11:00 – 12:00	Damage and Repair of Genetic Materials	MF
7 th June, 2019 09:00 – 10:00	Receptor Signal and Transduction	MY
7 th June, 2019 10:00 – 11:00	Cell Signallings	CB
7 th June, 2019 11:00 – 12:00	Cell Cycle and Cell Death	CB
7 th June, 2019 13:00 – 15:00	Discussion	Lecturers
9 th June, 2019 09:00 – 12:00	Examination	Lecturers

Lecturers:

Voraratt Champattanachai, Ph.D. (VC)
Kriengsak Lirprapamongkol, Ph.D. (KL)

Nilubol Paricharttanakul, Ph.D. (NP)

Lukana Ngiwsara, Ph.D. (LN)

Rojana Sukchawalit, Ph.D. (RS)

James M. Dubbs, Ph.D. (JD)

Mayuree Fuangthong, Ph.D. (MF)

Montri Yasawong, Ph.D. (MY)

Chutikarn Butkinaree, Ph.D. (CB)