

CHED FACULTY UPGRADING FOR CHEMISTRY IN HIGHER EDUCATION**COURSE 4: MOLECULAR BIOCHEMISTRY**

October 22-26, 2007

UP - NIMBB, IC, NSRI, CSRC

SCHEDULE OF ACTIVITIES

October 22, 2007 - Day 1

Venue: NIMBB

TIME	ACTIVITY		LECTURER/IN-CHARGE
7:30am - 8:00am	Registration		Facilitators (Secretariat)
8:00am - 9:00am	Welcome Remarks		
9:00am - 9:40am	Introduction: The Cell		Dr. Ameurfina Santos
9:40am - 10:20am	Nucleic Acids		Dr. Cynthia Saloma
10:20am - 10:50am	Snacks		Facilitators (Food)
10:50am - 11:30am	Techniques on Nucleic Acid Analysis		Dr. Celia Torres-Villanueva
11:30am - 12:10pm	Frontiers on Biochemistry and Molecular Biology: Nucleic Acids		Dr. Antonio Laurena
12:10am - 12:30pm	Open Forum		
12:30pm - 1:30pm	Lunch		Facilitators (Food)
1:30pm - 3:30pm	Pen and Paper Exercises	Laboratory Activity	
	The Cell	Genomic DNA Extraction	Bianca Victorio
	Nucleic Acids	Plasmid Extraction	Zahara Guiamal and Ace Quirante
	Techniques on Nucleic Acid Analysis	PCR	Jose Ramon Planta and Xyza Oro
		AGE	Aisa Cantalejo and Madel Durens
		Biolistics	Milay Ruiz
		Sequencing	Adri Constantino
3:30pm - 3:45pm	Snacks		Facilitators (Food)
3:45pm - 5:45pm	Laboratory Activity	Pen and Paper Exercises	
	Genomic DNA Extraction	The Cell	Bianca Victorio
	Plasmid Extraction	Nucleic Acids	Zahara Guiamal and Ace Quirante
	PCR	Techniques on Nucleic Acid Analysis	Jose Ramon Planta and Xyza Oro
	AGE		Aisa Cantalejo and Madel Durens
	Biolistics		Milay Ruiz
	Sequencing		Adri Constantino

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October 23, 2007 - Day 2

Venue: NSRI

TIME	ACTIVITY	LECTURER/IN-CHARGE
8:00am - 8:30am	Registration	Facilitators (Secretariat)
8:30am - 9:10am	Forensic Biotechnology- Teaching CSI in our classrooms	Dr. Maria Corazon De Ungria
9:10am - 10:10am	Demo and Laboratory Activity	Gayvelline Calacal and Jazelyn Salvador
10:10am - 10:40am	Snacks	Facilitators (Food)
10:40am - 12:00pm	Workshop on Forensic DNA Technology: Pen and Paper Exercises	Dr. Maria Corazon De Ungria, Gayvelline Calacal and Jazelyn Salvador
12:00pm - 1:00pm	Lunch	Facilitators (Food)
1:00pm - 1:40pm	Frontiers on Biochemistry and Molecular Biology: Plant Biotechnology	Dr. Vermando Aquino
1:40pm - 2:20pm	Frontiers on Biochemistry and Molecular Biology: Microbial Biotechnology	Dr. Windell Rivera
2:20pm - 3:00pm	Frontiers on Biochemistry and Molecular Biology	Dr. Guido David
3:00pm - 3:20pm	Open Forum	
3:20pm - 3:40pm	Snacks	Facilitators (Food)
3:40pm - 5:00pm	Pen and Paper Exercises on Frontiers in BMB	Dr. Aquino, Dr. Rivera, Dr. David

October 24, 2007 - Day 3

Venue: NIMBB

TIME	ACTIVITY	LECTURER/IN-CHARGE
8:00am - 8:30am	Registration	Facilitators (Secretariat)
8:30am - 9:10am	Proteins	Dr. Giselle Concepcion
9:10am - 9:50am	Techniques in Protein Analysis	Dr. Ameurфина Santos
9:50am - 10:20am	Snacks	Facilitators (Food)
10:20am - 11:00am	Frontiers on Biochemistry and Molecular Biology: Prions	Dr. Giselle Concepcion
11:00am - 11:20pm	Open Forum	
11:20am - 12:20pm	Lunch	Facilitators (Food)
12:20pm - 2:20pm	Pen and Paper Exercises	Laboratory Activity
	Proteins	SDS-PAGE and Western Blot
	Techniques in Protein Analysis	ELISA
	Frontiers	Protein Extraction
		Chromatography
2:20pm - 2:50pm	Snacks	Facilitators (Food)
2:50pm - 4:50pm	Laboratory Activity	Pen and Paper Exercises
	SDS-PAGE and Western Blot	Proteins
	ELISA	Techniques in Protein Analysis
	Protein Extraction	Frontiers
	Chromatography	

**CHED FACULTY UPGRADING FOR CHEMISTRY IN HIGHER EDUCATION
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October 25, 2007 - Day 4

Venue: IC

TIME	ACTIVITY	LECTURER/IN-CHARGE
7:30am - 8:00am	Registration	Facilitators (Secretariat)
8:00am - 8:40am	Enzyme Kinetics	Dr. Florida Carino
8:40am - 9:20am	Pen and Paper Exercises on Enzyme Kinetics	Kathy Castillo
9:20am - 10:20am	Laboratory Activity on Enzyme Kinetics	Aldrin Lugena, Kathy Castillo, Joven Ramirez, Irene Fernandez
10:20am - 10:35am	Snacks	Facilitators (Food)
10:35am - 11:15am	Carbohydrates and Lipids	Dr. Portia Sabido
11:15am - 11:55am	Pen and Paper Exercises on Carbohydrates and Lipids	Dr. Christine Hernandez
11:55am - 12:45pm	Lunch	Facilitators (Food)
12:45pm - 1:25pm	Frontiers on Biochemistry and Molecular Biology: Carbohydrate Research	Dr. Nemesio Montano
1:25pm - 2:05pm	Metabolism	Dr. Amelia Guevara
2:05pm - 2:45pm	Pen and Paper Exercises on Metabolism	Joven Ramirez
2:45pm - 3:00pm	Snacks	Facilitators (Food)
3:00pm - 3:40pm	Diseases of Metabolism	Dr. Evangeline Amor
3:40pm - 4:20pm	Laboratory Activity on Carbohydrates and Lipids: Glucose Testing	Rhay Porras, Bick Lloren, Lea Cardona
4:20pm - 5:00pm	Frontiers on Biochemistry and Molecular Biology: Natural Products	Dr. Mafel Ysrael

October 26, 2007 - Day 5

Venue: CSRC and NIMBB

TIME	ACTIVITY	LECTURER/IN-CHARGE
8:00am - 8:30am	Registration	Facilitators (Secretariat)
8:30am - 9:05am	Bioinformatics	Dr. Nina Rojas
9:05am - 9:10am	Open Forum	
9:10am - 10:10am	Hands-On (Virtual Lab)	Marvin Altamia
10:10am - 10:40am	Snacks	Facilitators (Food)
10:40am - 11:40am	Computer Hands-On (DNA and Protein Analysis)	Adri Constantino
11:40am - 12:00pm	Shuttle from CSRC to NIMBB	
12:00pm - 1:00pm	Lunch	Facilitators (Food)
1:00pm - 3:00pm	Reporting of Participants	
3:00pm - 3:30pm	Snacks	Facilitators (Food)
3:30pm - 4:30pm	Reporting of Participants	
4:30pm - 5:00pm	Closing	