## Day 1:9 November 2022

Time	Prog	zram	
10:00 - 13:00	Program  Registration and Poster Setup (All Posters)		
10.00 10.00		Luang Room	
13:00- 13:30	Opening Ceremony		
	- Dr. Chantragan Phiphobmongkol (President, Protein Society of Thailand)		
	- Emeritus Prof. M.R. Jisnuson Svasti (Honorary Advisor, Protein Society of Thailand)		
	- Prof. Bannakij Lojanapiwat, M.D. (Dean of Faculty of Medicine, Chiang Mai University)		
	- Assoc. Prof. Dumnoensun Pruksakorn, M.D. (PST2022 Organizing Committee Chair, Faculty of Medicine, Chiang Mai		
	University)		
13·30 - 14·30	Plenary Lecture 1 (Chair: Emeritus Prof. M.R. Jisnuson Svasti)		
13.30 11.30	Prof. Richard Simpson		
	La Trobe University		
	Title: Extracellular Vesicles: Their Role in Cancer and Epithelial-N	Mesenchymal Transition (FMT)	
14:30 - 15.30			
14.30 13.30	, · · · · · · · · · · · · · · · · · · ·		
	Awardees of the 2022 Professor M.R. Jisnuson Svasti Young Protein Scientist of Thailand Award  1. Assoc Prof. Varodom Chargensawan (Mahidol University)		
	1. Assoc. Prof. Varodom Charoensawan (Mahidol University)  Title: Exploring the Evolution, Expression and Functions of Regulatory Proteins using Systems Biology		
	Title: Exploring the Evolution, Expression and Functions of Regulatory Proteins using Systems Biology  2. Dr. Chayasith Uttamapinant (VISTEC)		
	Title: A Multiplexed Cas13-based Assay with Point-of-Care Attributes for Simultaneous COVID-19 Diagnosis and Variant		
	Surveillance		
15:30 - 16.30	Coffee Break & Exhibition (Chiang Thong, Chiang Sean and Viang Kham Room)		
	PST Annual Meeting		
	Khum Kham Luang 1 Room	Khum Kham Luang 2 Room	
	Session 1 : Food and Agricultural Biotechnology and	Session 2 :Cancer	
	Related Topics Session 1		
	Chairs:	Chairs:	
	Assoc. Prof. Lalida Shank	Assoc. Prof. Teera Chewonarin	
	Dr. Pattanapong Thangsunan	Chiang Mai University	
	Chiang Mai University	Dr. Voraratt Champattanachai	
		Chulabhorn Research Institute	
16:30 - 17:05	Keynote lecture	Keynote lecture (Withdrawn)	
	PrivDoz. Dr. Thu-Ha Nguyen	Assoc. Prof. Norie Araki	
	University of Natural Resources and Life Sciences	Kumamoto University	
	Title: Lactic Acid Bacteria as Cell Factories for Production of	Title: Proteomics-Based Integrated Systems Biology for Tumor	
	Food Enzymes	Research	
17:05 - 17:30	Invited lecture	Invited lecture	
	Assoc. Prof. Wataru Saburi	Prof. Sarawut Jitrapakdee	
	Hokkaido University	Mahidol University	
	Title: Expansion of Enzymatic Synthesis of Carbohydrates using	Title: Emerging Role of the Biotin-Dependent Carboxylase in	
17.00 17.55	Novel Carbohydrate-Acting Enzymes	Cancers	
17:30- 17:55	Invited lecture	Invited lecture	
	Assoc. Prof. Pakorn Opaprakasit	Prof. Tavan Janvilisri	
	Thammasat University	Mahidol University	
	Title: Controlled Release Nanomaterials for Effective	Title: Targeting Wnt Signaling Pathway in Nasopharyngeal	
17.55 40.40	Treatment of COVID-19.	Carcinoma  Calantad Carl Brancostation 2	
17:55 - 18:10	Selected Oral Presentation 1	Selected Oral Presentation 2	
	Bhumrapee Eiamthong	Dr. Piriya Wongkongkathep	
	VISTEC	Chulalongkorn University	
	Title: Screening of Viable Consumer-Grade Polyethylene	Title: Personalized Neoantigen Vaccine Generates Cancer-	
	Terephthalate (PET) and Optimizing Conditions for Enzymatic	specific Immunological Responses in Thai Melanoma and	
	PET Degradation by MG8 PET Hydrolase	Renal Cell Carcinoma Patients	
18:10 - 20.00	Welcome	Reception	

## Day 2: 10 November 2022

Time	Program		
08:30 - 09:00		tration	
	Khum Kham Luang 1 Room	Khum Kham Luang 2 Room	
	Session 3 : Pharmacology	Session 4 : Protein Structure and Function	
	Chairs:	Chairs:	
	Assoc.Prof. Chadarat Ampasavate	Assoc.Prof. Danaya Pakotiprapha	
	Dr. Pawitrabhorn samutrtai	Mahidol University	
	Chiang Mai University	Assist. Prof. Panchika Prangkio	
		Chiang Mai University	
09:00 - 09:35	Keynote lecture	Keynote lecture	
	Prof. Young-Joon Surh	Prof. James R. Ketudat-Cairns	
	Seoul National University	Suranaree University of Technology	
	Title: Role of Protein-Protein Interactions in the Tumor	Title: Structure and Application of Beta-Glucosidases to	
	Progression: Research Highlights	Glycosylate Bioactive Compounds by Hitch or by Click Leads to	
		Insite into the Importance of Experimental Structural Biology	
00.25 10.00	In the disease	Invited Instrum	
09:35 - 10:00	Invited lecture	Invited lecture	
	Prof. Wichittra Tassaneeyakul Khon Kaen University	Dr. Leela Ruckthong King Mongkut's University of Technology Thonburi	
	Title: HLA as Pharmacogenetic Markers of Drug-Induced	Title: Crystallographic and Spectroscopic Evidence of Pb(II)	
	Severe Cutaneous Adverse Drug Reactions	Binding in the Three-stranded Coiled Coil Region of the	
	Severe Cutaneous Adverse Drug Neactions	Human Line-1 ORF1p	
10:00 - 10:25	Invited lecture	Invited lecture	
10.00 10.23	Assoc. Prof. Supaart Sirikantaramas	Assoc.Prof. Piyarat Nimmanpipug	
	Chulalongkorn University	Chiang Mai University	
	Title: Discovery of Umami Compounds and Peptides in Plants	Title: Interplay of Structure and Interactions in Functional	
	using Multiplatform Metabolomics	Macromolecular Systems via Multiscale In-silico Approaches	
10:25 - 10:40	Selected Oral Presentation 3	Selected Oral Presentation 4	
10.25 - 10.40	Dr. Kriengsak Lirdprapamongkol	Assoc.Prof. Sarin Chimnaronk	
	Chulabhorn Research Institute	Mahidol University	
	Title: Dimer of Vanillin Exerts Antimetastatic Potential in	Title: An e-ASIA JRP: Screening for Novel Chemotypes Against	
	HepG2 Liver Cancer Cells Through Inhibiting FAK/PI3K/Akt	Dengue Virus from Marine Organisms	
	Signaling Pathway		
10:40 - 11:10		ng, Chiang Sean and Viang Kham Room)	
	Selected Oral Presentation 1	Selected Oral Presentation 2	
	Chair:	Chair:	
	Assoc.Prof. Atit Silsirivanit	Dr. Sittiruk Roytrakul	
		,	
	Khon Kaen University	National Science and Technology Development Agency	
11:10 - 11:25	Khon Kaen University Selected Oral Presentation 5	·	
11:10 - 11:25	·	National Science and Technology Development Agency	
11:10 - 11:25	Selected Oral Presentation 5	National Science and Technology Development Agency  Selected Oral Presentation 8	
11:10 - 11:25	Selected Oral Presentation 5 Dr. Suyanee Thongchot	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol	
11:10 - 11:25	Selected Oral Presentation 5  Dr. Suyanee Thongchot  Mahidol University	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute	
	Selected Oral Presentation 5  Dr. Suyanee Thongchot  Mahidol University  Title: The Induction of Nucleolin-Specific T cells Against Triple  Negative Breast Cancer by Immunogenic Nucleolin Short  Peptides	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand	
	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9	
	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9  Prakasit Khamsuwan	
	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9  Prakasit Khamsuwan Naresuan University	
	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9  Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK	
	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9  Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for	
	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9  Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun	
11:25 - 11:40	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9  Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis	
11:25 - 11:40	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Junaxis  Selected Oral Presentation 10	
11:25 - 11:40	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk	National Science and Technology Development Agency  Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan	
11:25 - 11:40	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9  Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University	
11:25 - 11:40	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces	National Science and Technology Development Agency  Selected Oral Presentation 8  Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9  Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Junaxis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol	
11:25 - 11:40	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of	
11:25 - 11:40	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Junaxis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells	
11:25 - 11:40 11:40 - 11:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX	
11:25 - 11:40 11:40 - 11:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation Luncheon Lecture by World Tech Enterprise Ltd.	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX Prof. Qingsong Lin	
11:25 - 11:40 11:40 - 11:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation  Luncheon Lecture by World Tech Enterprise Ltd.  Dr. Jaran Jainhuknan Title: Enhancing the Workflow Capabilities of	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX	
11:25 - 11:40 11:40 - 11:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation  Luncheon Lecture by World Tech Enterprise Ltd. Dr. Jaran Jainhuknan	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX Prof. Qingsong Lin	
11:25 - 11:40 11:40 - 11:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation  Luncheon Lecture by World Tech Enterprise Ltd.  Dr. Jaran Jainhuknan Title: Enhancing the Workflow Capabilities of Translational and Life Science Mass Spectrometry: New	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX Prof. Qingsong Lin	
11:25 - 11:40 11:40 - 11:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation  Luncheon Lecture by World Tech Enterprise Ltd. Dr. Jaran Jainhuknan Title: Enhancing the Workflow Capabilities of Translational and Life Science Mass Spectrometry: New Developments in Mass Spectrometry Imaging, and	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX Prof. Qingsong Lin	
11:25 - 11:40 11:40 - 11:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation  Luncheon Lecture by World Tech Enterprise Ltd.  Dr. Jaran Jainhuknan Title: Enhancing the Workflow Capabilities of Translational and Life Science Mass Spectrometry: New Developments in Mass Spectrometry Imaging, and Proteomics	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX Prof. Qingsong Lin Title: Drug Target Profiling by Chemical Proteomics	
11:25 - 11:40 11:40 - 11:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation Luncheon Lecture by World Tech Enterprise Ltd. Dr. Jaran Jainhuknan Title: Enhancing the Workflow Capabilities of Translational and Life Science Mass Spectrometry: New Developments in Mass Spectrometry Imaging, and Proteomics Session 5: Immunology and Inflammation	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX Prof. Qingsong Lin Title: Drug Target Profiling by Chemical Proteomics	
11:25 - 11:40 11:40 - 11:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation  Luncheon Lecture by World Tech Enterprise Ltd.  Dr. Jaran Jainhuknan  Title: Enhancing the Workflow Capabilities of Translational and Life Science Mass Spectrometry: New Developments in Mass Spectrometry Imaging, and Proteomics  Session 5 :Immunology and Inflammation Chairs:	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX Prof. Qingsong Lin Title: Drug Target Profiling by Chemical Proteomics  Session 6:Bioinformatics and Statistics Chair:	
11:25 - 11:40 11:40 - 11:55 11:55 - 12:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation  Luncheon Lecture by World Tech Enterprise Ltd. Dr. Jaran Jainhuknan Title: Enhancing the Workflow Capabilities of Translational and Life Science Mass Spectrometry: New Developments in Mass Spectrometry Imaging, and Proteomics  Session 5: Immunology and Inflammation Chairs: Assist.Prof. Hathairat Thananchai Assist.Prof. Aussara Panya Chiang Mai University	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX Prof. Qingsong Lin Title: Drug Target Profiling by Chemical Proteomics  Session 6:Bioinformatics and Statistics  Chair: Assoc.Prof. Varodom Charoensawan Mahidol University	
11:25 - 11:40 11:40 - 11:55 11:55 - 12:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation  Luncheon Lecture by World Tech Enterprise Ltd. Dr. Jaran Jainhuknan Title: Enhancing the Workflow Capabilities of Translational and Life Science Mass Spectrometry: New Developments in Mass Spectrometry Imaging, and Proteomics  Session 5: Immunology and Inflammation Chairs: Assist.Prof. Hathairat Thananchai Assist.Prof. Aussara Panya Chiang Mai University Keynote lecture	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX Prof. Qingsong Lin Title: Drug Target Profiling by Chemical Proteomics  Session 6:Bioinformatics and Statistics  Chair: Assoc.Prof. Varodom Charoensawan Mahidol University  Keynote lecture	
11:25 - 11:40 11:40 - 11:55 11:55 - 12:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation  Luncheon Lecture by World Tech Enterprise Ltd. Dr. Jaran Jainhuknan Title: Enhancing the Workflow Capabilities of Translational and Life Science Mass Spectrometry: New Developments in Mass Spectrometry Imaging, and Proteomics  Session 5:Immunology and Inflammation Chairs: Assist.Prof. Hathairat Thananchai Assist.Prof. Aussara Panya Chiang Mai University Keynote lecture Prof. Watchara Kasinrerk	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX Prof. Qingsong Lin Title: Drug Target Profiling by Chemical Proteomics  Session 6:Bioinformatics and Statistics  Chair: Assoc.Prof. Varodom Charoensawan Mahidol University  Keynote lecture Dr. Pimlapas Leekitcharoenphon	
11:25 - 11:40 11:40 - 11:55 11:55 - 12:55	Selected Oral Presentation 5 Dr. Suyanee Thongchot Mahidol University Title: The Induction of Nucleolin-Specific T cells Against Triple Negative Breast Cancer by Immunogenic Nucleolin Short Peptides Selected Oral Presentation 6 Dr. Charupong Saengboonmee Khon Kaen University Title: GABBR2 is a Potential Therapeutic Target for Cholangiocarcinoma with Diabetes Mellitus  Selected Oral Presentation 7 Preenapan Changpasuk Naresuan University Title: Inhibition of SR-protein Kinase Induces Cholangiocarcinoma Cell Apoptosis Through the Alteration of SR-rich Splicing Factor Phosphorylation  Luncheon Lecture by World Tech Enterprise Ltd. Dr. Jaran Jainhuknan Title: Enhancing the Workflow Capabilities of Translational and Life Science Mass Spectrometry: New Developments in Mass Spectrometry Imaging, and Proteomics  Session 5: Immunology and Inflammation Chairs: Assist.Prof. Hathairat Thananchai Assist.Prof. Aussara Panya Chiang Mai University Keynote lecture	Selected Oral Presentation 8 Dr. Jittiporn Chaisaingmongkol Chulabhorn Research Institute Title: Landscape of DNA Methylation in Intrahepatic Cholangiocarcinoma Patients in Thailand  Selected Oral Presentation 9 Prakasit Khamsuwan Naresuan University Title: Targeting Upregulated-LAMB1 Derived from SRPK Inhibitors Treated-Cholangiocarcinoma Cell Proteome for Enhancing in vitro Growth Inhibition Through pERK/ERK/c-Jun axis  Selected Oral Presentation 10 Orasa Panawan Khon Kaen University Title: Global- and Phospho-Proteomics Identify the Cholesterol and Fatty Acid Metabolic Pathway as a Specific Key Target of Glioma Stem-like Cells  Luncheon Lecture by SCIEX Prof. Qingsong Lin Title: Drug Target Profiling by Chemical Proteomics  Session 6:Bioinformatics and Statistics  Chair: Assoc.Prof. Varodom Charoensawan Mahidol University  Keynote lecture	

## Day 2: 10 November 2022

Time		Khum Kham Luang 2 Room
	Khum Kham Luang 1 Room	Khum Kham Luang 2 Room Session 6 :Bioinformatics and Statistics
12.25 14.00	Session 5 :Immunology and Inflammation Invited lecture	Invited lecture
15.55 - 14.00		
	Dr. Suangsuda Supasai	Dr. Kwanjeera Wanichthanarak
	Mahidol University	Mahidol University
	Title: Persistent Neuropathology and Behavioral Defects in	Title: Bioinformatics Meets Omics
	Rats After Status Epilepticus	
14:00 - 14:25	Invited lecture	Keynote lecture (14.00-14.35)
	Prof. Chanitra Thuwajit	Assist.Prof. Balachandran Manavalan
	Mahidol University	Sungkyunkwan University
	Title: The Immunotherapy of Triple Negative Breast Cancer	Title: Computational Identification of Therapeutic Peptides
		Using Several Machine Learning Frameworks
14.25 - 14.50	Invited lecture	Selected Oral Presentation 11 (14.35-14.50)
14.25 14.50	Dr. Surapun Tepaamorndech	Benjamaporn Sriwilai
	NSTDA	Mahidol University
	Title: Pyrogallol as the Novel Metabolite Inhibits Inflammatory	Title: Exploring B Cell Receptor Characteristics in COVID-19
		<u> </u>
	Signaling Responses	Patients from Publicly Available Single-Cell Omics Data
14:50 - 15:50		hong, Chiang Sean and Viang Kham Room)
		g, Chiang Sean and Viang Kham Room)
	Session 7 : Proteomics	Session 8 : Neurodegenerative Diseases
	Chairs:	Chair:
	Dr. Chantragan Phiphobmongkol	Assoc.Prof. Kittisak Yokthongwattana
	Chulabhorn Research Institute	Mahidol University
	Asst. Prof. Anuchit Phanumartwiwath	
15 50 46 25	Chulalongkorn University	
15:50 - 16:25	Keynote lecture	Keynote lecture
	Prof. Ebrahim Razzazi-Fazeli	Prof. Tewin Tencomnao
	University of Veterinary Medicine	Chulalongkorn University
	Title: From Mass Spectrometry to Proteomics: A Historical	Title: An Integrated Model and Approach for elucidating the
	Perspective	Mechanisms of Natural Products for Anti-aging and Anti-
		neurodegeneration
16:25 - 16:50	Invited lecture	Invited lecture
	Dr. Wararat Chiangjong	Prof. Narawut Pakaprot
	Mahidol University	Mahidol University
	Title: Reveal the Hidden Markers in Clinical Prognosis and the	Title: Effect of Herbal Medicine on Learning and Memory, and
	Underlying Molecular Mechanism by Mass Spectrometry	Brain Injury
16:50 - 17:15	Invited lecture	Invited lecture
	Assist.Prof. Sutin Kingtong	Dr. Luca Lo Piccolo
	Burapha University	Chiang Mai University
	Title: Toxicity of DDT to the Hooded Oyster Saccostrea	Title: Regulation of FUS homeostasis in proteinopathies: what
	Cuccullata and the Molecular Mechanism of its Toxicity	can we learn from Drosophila models of FUSopathies?
	· ·	can we learn from brosophila models of Fosopathies!
17.15 17.20	Revealed by a Proteomic Approach Selected Oral Presentation 12	Selected Oral Presentation 13
17:15 - 17:30		
	Nuttamon Prompakdee	Aiyarin Kittilukkana
	Naresuan University	Chiang Mai University
	Title: Transcriptomic and Proteomic Analyses of Rice Seedling	Title: Labile Iron Disrupts Cellular Lysosomal Clearance and
	Roots Treated with Piper Betle Extract: an In Silico Approach	Induces an Accumulation of Misfolding Protein in Neuronal
		Cells
	Selected Oral Presentation 3	Special Session: Precision Medicine for Pediatric
		Cancer Treament
	Chair:	Chairs:
	Dr. Pagkapol Pongsawakul	Assoc. Prof. Usanarat Anurathapan
		Mahidol University
	Mahidol University	,
	inianidoi University	Dr. Jeerawan Klangjorhor
	inianidoi University	Dr. Jeerawan Klangjorhor Chiang Mai University
7:40 - 17:55	,	Chiang Mai University
7:40 - 17:55	Selected Oral Presentation 14	Chiang Mai University Invited lecture
7:40 - 17:55	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat
.7:40 - 17:55	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon  Suranaree University of Technology	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University
7:40 - 17:55	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon  Suranaree University of Technology  Title: Production and Application of Monoclonal Antibodies	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:
	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon Suranaree University of Technology Title: Production and Application of Monoclonal Antibodies Against Human LDL for Biomedical Research	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:  Potential Windows for Target Discovery
	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon Suranaree University of Technology Title: Production and Application of Monoclonal Antibodies Against Human LDL for Biomedical Research Selected Oral Presentation 15	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:  Potential Windows for Target Discovery  Invited lecture
	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon Suranaree University of Technology Title: Production and Application of Monoclonal Antibodies Against Human LDL for Biomedical Research Selected Oral Presentation 15 Theerawat Ruenkam	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:  Potential Windows for Target Discovery  Invited lecture  Assoc.Prof. Dumnoensun Pruksakorn
	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon Suranaree University of Technology Title: Production and Application of Monoclonal Antibodies Against Human LDL for Biomedical Research Selected Oral Presentation 15	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:  Potential Windows for Target Discovery  Invited lecture  Assoc.Prof. Dumnoensun Pruksakorn  Chiang Mai University
	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon Suranaree University of Technology Title: Production and Application of Monoclonal Antibodies Against Human LDL for Biomedical Research Selected Oral Presentation 15 Theerawat Ruenkam	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:  Potential Windows for Target Discovery  Invited lecture  Assoc.Prof. Dumnoensun Pruksakorn
	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon Suranaree University of Technology Title: Production and Application of Monoclonal Antibodies Against Human LDL for Biomedical Research Selected Oral Presentation 15 Theerawat Ruenkam VISTEC	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:  Potential Windows for Target Discovery  Invited lecture  Assoc.Prof. Dumnoensun Pruksakorn  Chiang Mai University
.7:55 - 18:10	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon Suranaree University of Technology Title: Production and Application of Monoclonal Antibodies Against Human LDL for Biomedical Research Selected Oral Presentation 15 Theerawat Ruenkam VISTEC Title: Progress Toward Yeast Display-Based Directed Evolution	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:  Potential Windows for Target Discovery  Invited lecture  Assoc.Prof. Dumnoensun Pruksakorn  Chiang Mai University  Title: Precision Approach for Osteosarcoma Treatment by
7:55 - 18:10	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon Suranaree University of Technology Title: Production and Application of Monoclonal Antibodies Against Human LDL for Biomedical Research Selected Oral Presentation 15 Theerawat Ruenkam VISTEC Title: Progress Toward Yeast Display-Based Directed Evolution of Pyrrolysyl-tRNA Synthetase Selected Oral Presentation 16	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:  Potential Windows for Target Discovery  Invited lecture  Assoc.Prof. Dumnoensun Pruksakorn  Chiang Mai University  Title: Precision Approach for Osteosarcoma Treatment by  Genomics Technologies  Invited lecture
7:55 - 18:10	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon Suranaree University of Technology Title: Production and Application of Monoclonal Antibodies Against Human LDL for Biomedical Research Selected Oral Presentation 15 Theerawat Ruenkam VISTEC Title: Progress Toward Yeast Display-Based Directed Evolution of Pyrrolysyl-tRNA Synthetase Selected Oral Presentation 16 Narongyot Kittipanukul	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:  Potential Windows for Target Discovery  Invited lecture  Assoc.Prof. Dumnoensun Pruksakorn  Chiang Mai University  Title: Precision Approach for Osteosarcoma Treatment by  Genomics Technologies  Invited lecture  Dr. Praewa Suthapot
7:55 - 18:10	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon Suranaree University of Technology Title: Production and Application of Monoclonal Antibodies Against Human LDL for Biomedical Research Selected Oral Presentation 15 Theerawat Ruenkam VISTEC Title: Progress Toward Yeast Display-Based Directed Evolution of Pyrrolysyl-tRNA Synthetase Selected Oral Presentation 16 Narongyot Kittipanukul VISTEC	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:  Potential Windows for Target Discovery  Invited lecture  Assoc.Prof. Dumnoensun Pruksakorn  Chiang Mai University  Title: Precision Approach for Osteosarcoma Treatment by  Genomics Technologies  Invited lecture  Dr. Praewa Suthapot  Mahidol University
7:55 - 18:10	Selected Oral Presentation 14  Dr. Kanokwan Lowhalidanon Suranaree University of Technology Title: Production and Application of Monoclonal Antibodies Against Human LDL for Biomedical Research Selected Oral Presentation 15 Theerawat Ruenkam VISTEC Title: Progress Toward Yeast Display-Based Directed Evolution of Pyrrolysyl-tRNA Synthetase Selected Oral Presentation 16 Narongyot Kittipanukul	Chiang Mai University  Invited lecture  Prof. Surasak Sangkhathat  Prince of Songkla University  Title: Molecular Pathogenesis of Pediatric Solid Tumors:  Potential Windows for Target Discovery  Invited lecture  Assoc.Prof. Dumnoensun Pruksakorn  Chiang Mai University  Title: Precision Approach for Osteosarcoma Treatment by  Genomics Technologies  Invited lecture  Dr. Praewa Suthapot

## Day 3: 11 November 2022

Time 08:30 - 09:00	Program  Registration		
06.30 - 03.00	Khum Kham Luang 1 Room	Khum Kham Luang 2 Room	
	Session 9 : Post-Translational Modifications and	Session 10 : Infectious Disease	
	Synthetic Biology	Session 10 : Infectious Discuse	
	Chair:	Chair:	
	Dr. Chayasith Uttamapinant	Assist.Prof. Parameth Thiennimitr	
	VISTEC	Chiang Mai University	
)9·00 - 09·35	Keynote lecture	Keynote lecture	
	Prof. Matthew DeLisa	Prof. Michael Hsieh	
	Cornell University	The George Washington University	
	Title: Synthetic Glycobiology: Designing and Engineering	Title: The Story of IPSE, a Parasite Immunomodulatory Prote	
	Glycomolecules Inside and Outside of Living Cells	That Provides Insights Into Host-Pathogen Protein Interactio	
20.25.40.00			
09:35 - 10:00	Invited lecture	Invited lecture	
	Dr. Sakonwan Kuhaudomlarp	Dr. Phoom Chairatana	
	Mahidol University	Mahidol University	
	Title: Multivalent Glycomimetics Targeting Pathogenic	Title: Hijacking Salmonella Iron Uptake Machinery to Inhibit Their Infection	
0:00 - 11:00	Sugar-Binding Protein  Poster Session 2 (Even Numbers) (Chiang I	Thong, Chiang Sean and Viang Kham Room)	
0:00 - 11:00		ng, Chiang Sean and Viang Kham Room)	
1.00 11.25	Invited lecture	Invited lecture	
.1.00 - 11.23	Dr. Chanat Aonbangkhen	Assist.Prof. Vorrapon Chaikeeratisak	
	Chulalongkorn University	Chulalongkorn University	
	Title: Engineered OGT and OGA Enzymes for Studying	Title: Mechanism of Pre-killing (MOK): Antibacterial Discover	
	Protein O-GlcNAcylation in Cells	Through Bacteriophage Genomics	
1.25 - 11.50	Invited lecture	Invited lecture	
11.25 11.50	Assist.Prof. Julius Fredens	Assist.Prof. Poochit Nonejuie	
	Yong Loo Lin School of Medicine	Mahidol University	
	Title: Creating and Exploiting Genetic Incompatibility in E. coli	Title: Bacterial Cytological Profiling (BCP): a Microscopy-Base	
	for Synthetic Biology	Platform for Antibiotic Discovery	
1:50 - 12:05	Selected Oral Presentation 17	Selected Oral Presentation 18	
	Benya Lakkanasirorat	Manita Yimcharoen	
	VISTEC	Chiang Mai University	
	Title: Progress Toward Evolving Biotin Ligase with Altered	Title: The Stress Response Regulation of Mycobacterium	
	Substrate Specificity	Tuberculosis with Different Drug Resistance Profiles in a Mul	
	,	stress Model	
12:05 - 13:00	Luncheon Lecture by SciSpec Co., Ltd.	Luncheon Lecture by Cytiva	
	Dr. Ming-Yi Ho	Dr. Shu-Wen AN	
	Title: Scale up Proteome Science with Thermo Scientific	Title: Biacore New System Introduction	
	Orbitrap Mass Spectrometry		
	Session 11 : Precision Medicine, Liquid Biopsy and Evs	Session 12 : Food and Agricultural Biotechnology and	
	Session 11 . Frecision Medicine, Liquid Biopsy and Evs	Related Topics Session 2	
		Related Topics Session 2	
	Chairs:	Chair:	
	Dr. Churat Weeraphan	Assoc.Prof. Dumnoensun Pruksakorn	
	Chulabhorn Research Institute	Chiang Mai University	
	Dr. Parunya Chaiyawat		
	Chiang Mai University		
13:00- 13:35		Keynote lecture	
13:00- 13:35	Chiang Mai University	Keynote lecture Prof. Chen Wei Ning, William	
13:00- 13:35	Chiang Mai University  Keynote lecture	1 .	
13:00- 13:35	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat	Prof. Chen Wei Ning, William	
13:00- 13:35	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University	Prof. Chen Wei Ning, William Nanyang Technological University	
	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University  Title: Invasion Proteins of Extracellular Vesicles from Malaria-	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role	
	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University  Title: Invasion Proteins of Extracellular Vesicles from Malaria- Infected Red Blood Cells	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics	
	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University  Title: Invasion Proteins of Extracellular Vesicles from Malaria- Infected Red Blood Cells  Invited lecture	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics Invited lecture	
	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University  Title: Invasion Proteins of Extracellular Vesicles from Malaria- Infected Red Blood Cells  Invited lecture  Assoc.Prof. Arthit Chairoungdua	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch	
	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University  Title: Invasion Proteins of Extracellular Vesicles from Malaria- Infected Red Blood Cells  Invited lecture  Assoc.Prof. Arthit Chairoungdua  Mahidol University	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing	
	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University  Title: Invasion Proteins of Extracellular Vesicles from Malaria- Infected Red Blood Cells  Invited lecture  Assoc.Prof. Arthit Chairoungdua  Mahidol University  Title: Extracellular Vehicles as Biomarkers and Therapeutic	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing	
3:35 - 14:00	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University  Title: Invasion Proteins of Extracellular Vesicles from Malaria- Infected Red Blood Cells  Invited lecture  Assoc.Prof. Arthit Chairoungdua  Mahidol University  Title: Extracellular Vehicles as Biomarkers and Therapeutic	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing Microbes on Successive Fermentation of Miang, a Traditional	
l3:35 - 14:00	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University  Title: Invasion Proteins of Extracellular Vesicles from Malaria-Infected Red Blood Cells  Invited lecture  Assoc.Prof. Arthit Chairoungdua  Mahidol University  Title: Extracellular Vehicles as Biomarkers and Therapeutic  Applications in Cancer	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing Microbes on Successive Fermentation of Miang, a Traditional Fermented Tea Leaves of North Thailand	
.3:35 - 14:00	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University  Title: Invasion Proteins of Extracellular Vesicles from Malaria- Infected Red Blood Cells  Invited lecture  Assoc.Prof. Arthit Chairoungdua  Mahidol University  Title: Extracellular Vehicles as Biomarkers and Therapeutic  Applications in Cancer  Invited lecture	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing Microbes on Successive Fermentation of Miang, a Traditional Fermented Tea Leaves of North Thailand Invited lecture	
13:35 - 14:00	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University  Title: Invasion Proteins of Extracellular Vesicles from Malaria-Infected Red Blood Cells  Invited lecture  Assoc.Prof. Arthit Chairoungdua  Mahidol University  Title: Extracellular Vehicles as Biomarkers and Therapeutic  Applications in Cancer  Invited lecture  Dr. Sasimol Udomruk	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing Microbes on Successive Fermentation of Miang, a Traditional Fermented Tea Leaves of North Thailand Invited lecture Dr. Tippapha Pisithkul	
.3:35 - 14:00	Chiang Mai University  Keynote lecture Prof. Kovit Pattanapanyasat Mahidol University Title: Invasion Proteins of Extracellular Vesicles from Malaria-Infected Red Blood Cells  Invited lecture Assoc.Prof. Arthit Chairoungdua Mahidol University Title: Extracellular Vehicles as Biomarkers and Therapeutic Applications in Cancer  Invited lecture Dr. Sasimol Udomruk Chiang Mai University	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing Microbes on Successive Fermentation of Miang, a Traditional Fermented Tea Leaves of North Thailand Invited lecture Dr. Tippapha Pisithkul Maejo University	
l3:35 - 14:00 l4:00 - 14:25	Chiang Mai University  Keynote lecture Prof. Kovit Pattanapanyasat Mahidol University Title: Invasion Proteins of Extracellular Vesicles from Malaria-Infected Red Blood Cells  Invited lecture Assoc.Prof. Arthit Chairoungdua Mahidol University Title: Extracellular Vehicles as Biomarkers and Therapeutic Applications in Cancer  Invited lecture Dr. Sasimol Udomruk Chiang Mai University Title: Cell-Free DNA Fragmentomes: Breakthrough "Omics" in Molecular Diagnosis	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing Microbes on Successive Fermentation of Miang, a Traditional Fermented Tea Leaves of North Thailand Invited lecture Dr. Tippapha Pisithkul Maejo University Title: Heterologous Protein Expression for Food and	
l3:35 - 14:00 l4:00 - 14:25	Chiang Mai University  Keynote lecture Prof. Kovit Pattanapanyasat Mahidol University Title: Invasion Proteins of Extracellular Vesicles from Malaria-Infected Red Blood Cells  Invited lecture Assoc.Prof. Arthit Chairoungdua Mahidol University Title: Extracellular Vehicles as Biomarkers and Therapeutic Applications in Cancer  Invited lecture Dr. Sasimol Udomruk Chiang Mai University Title: Cell-Free DNA Fragmentomes: Breakthrough "Omics" in Molecular Diagnosis  Coffee Break & Exhibition (Chiang Thor	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing Microbes on Successive Fermentation of Miang, a Traditional Fermented Tea Leaves of North Thailand  Invited lecture Dr. Tippapha Pisithkul Maejo University Title: Heterologous Protein Expression for Food and Agricultural Applications	
13:35 - 14:00 14:00 - 14:25 14:25 - 15:25	Chiang Mai University  Keynote lecture Prof. Kovit Pattanapanyasat Mahidol University Title: Invasion Proteins of Extracellular Vesicles from Malaria-Infected Red Blood Cells  Invited lecture Assoc.Prof. Arthit Chairoungdua Mahidol University Title: Extracellular Vehicles as Biomarkers and Therapeutic Applications in Cancer  Invited lecture Dr. Sasimol Udomruk Chiang Mai University Title: Cell-Free DNA Fragmentomes: Breakthrough "Omics" in Molecular Diagnosis  Coffee Break & Exhibition (Chiang Thor	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing Microbes on Successive Fermentation of Miang, a Traditional Fermented Tea Leaves of North Thailand Invited lecture Dr. Tippapha Pisithkul Maejo University Title: Heterologous Protein Expression for Food and Agricultural Applications  18, Chiang Sean and Viang Kham Room)	
.3:35 - 14:00 .4:00 - 14:25 .4:25 - 15:25	Chiang Mai University  Keynote lecture Prof. Kovit Pattanapanyasat Mahidol University Title: Invasion Proteins of Extracellular Vesicles from Malaria-Infected Red Blood Cells  Invited lecture Assoc.Prof. Arthit Chairoungdua Mahidol University Title: Extracellular Vehicles as Biomarkers and Therapeutic Applications in Cancer  Invited lecture Dr. Sasimol Udomruk Chiang Mai University Title: Cell-Free DNA Fragmentomes: Breakthrough "Omics" in Molecular Diagnosis  Coffee Break & Exhibition (Chiang Thor Khum Kham	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing Microbes on Successive Fermentation of Miang, a Traditional Fermented Tea Leaves of North Thailand Invited lecture Dr. Tippapha Pisithkul Maejo University Title: Heterologous Protein Expression for Food and Agricultural Applications  18, Chiang Sean and Viang Kham Room)	
.3:35 - 14:00 .4:00 - 14:25 .4:25 - 15:25	Chiang Mai University  Keynote lecture Prof. Kovit Pattanapanyasat Mahidol University Title: Invasion Proteins of Extracellular Vesicles from Malaria-Infected Red Blood Cells Invited lecture Assoc.Prof. Arthit Chairoungdua Mahidol University Title: Extracellular Vehicles as Biomarkers and Therapeutic Applications in Cancer  Invited lecture Dr. Sasimol Udomruk Chiang Mai University Title: Cell-Free DNA Fragmentomes: Breakthrough "Omics" in Molecular Diagnosis  Coffee Break & Exhibition (Chiang Thor Khum Kham Plenary Lecture 2 (Chair: Dr. Chantragan Phiphobmongkol)	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing Microbes on Successive Fermentation of Miang, a Traditional Fermented Tea Leaves of North Thailand Invited lecture Dr. Tippapha Pisithkul Maejo University Title: Heterologous Protein Expression for Food and Agricultural Applications  18, Chiang Sean and Viang Kham Room)	
.3:35 - 14:00 .4:00 - 14:25 .4:25 - 15:25	Chiang Mai University  Keynote lecture  Prof. Kovit Pattanapanyasat  Mahidol University  Title: Invasion Proteins of Extracellular Vesicles from Malaria- Infected Red Blood Cells  Invited lecture  Assoc.Prof. Arthit Chairoungdua  Mahidol University  Title: Extracellular Vehicles as Biomarkers and Therapeutic  Applications in Cancer  Invited lecture  Dr. Sasimol Udomruk  Chiang Mai University  Title: Cell-Free DNA Fragmentomes: Breakthrough "Omics" in Molecular Diagnosis  Coffee Break & Exhibition (Chiang Thor Khum Kham  Plenary Lecture 2 (Chair: Dr. Chantragan Phiphobmongkol)  Prof. Yu-Ju Chen	Prof. Chen Wei Ning, William Nanyang Technological University Title: Tech Innovations and Zero Waste Food Processing: role of food metabolomics  Invited lecture Assoc.Prof. Chartchai Khanongnuch Chiang Mai University Title: Important Role of Tannase and Tannase-producing Microbes on Successive Fermentation of Miang, a Traditional Fermented Tea Leaves of North Thailand Invited lecture Dr. Tippapha Pisithkul Maejo University Title: Heterologous Protein Expression for Food and Agricultural Applications  10, Chiang Sean and Viang Kham Room) Luang Room	