



CERTIFICATE

OF PRESENTATION

THIS IS TO CERTIFY THAT



Penchatr Diskul-Na-Ayudthaya

Has presented a poster presentation titled

Identification of biomarkers for aggressive breast cancer subtypes through a comparative proteomic evaluation of HER2-positive and triple-negative cells in 3D cultures

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

Held during August 5-7, 2026

Mandarin Hotel Bangkok, Bangkok, Thailand

Dr. Chantragan Phiphomongkol
President of the Protein Society of Thailand



Dr. Poorichaya Somparn
Chair of the Organizing Committee





CERTIFICATE OF PRESENTATION

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Suphong Plangsothorn

Has presented a poster presentation titled

Acetylome Signatures as Determinants of Lung Cancer Heterogeneity and Patient Outcome

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Dr. Poorichaya Somparn
Chair of the Organizing Committee





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Sutpirat Moonmuang

Has presented a poster presentation titled

**The Landscape of Highly Immunogenic Neoepitopes in Osteosarcoma: A Personalized Pipeline
for Immunotherapy Target Discovery**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Chair of the Organizing Committee





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Natthaphong Wijitkhagee

Has presented a poster presentation titled

OST Complex Inhibition by NGI-1 Reduces N-Glycosylation and Cell Viability in Cholangiocarcinoma

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Tanyaluck Kampoun

Has presented a poster presentation titled

The fusion gene landscape of Thai osteosarcoma: recurrent rearrangements and fusion dynamics following neoadjuvant chemotherapy

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Orasa Panawan

Has presented a poster presentation titled

**Unveiling the Role of Sialylation in Cholangiocarcinoma Stem Cell Chemoresistance through
Inhibitor-Based and Proteomic Approaches**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Chair of the Organizing Committee





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Juthamard Chantaraamporn

Has presented a poster presentation titled

**Targeting O-GlcNAcylation potentiates the anticancer effects of oxaliplatin
in SW620 metastatic colorectal cancer**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Thanwasa Suphaluck

Has presented a poster presentation titled

O-Glycosylation Contributes to the Cancer Stem Cell Phenotype in Cholangiocarcinoma

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Sophida Sukprasert

Has presented a poster presentation titled

**Transcriptome profiling of colorectal carcinoma-bearing mice treated with vitamin D₃
and *Lysiphyllum strychnifolium* extract**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

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Syaefudin Ali Akhmad

Has presented a poster presentation titled

The Primary Biological Pathways Through the Taqwa Revolution 7.0 Program

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Nongnapat Wattanateerangkool

Has presented a poster presentation titled

Targeting LAMC2 in Cholangiocarcinoma with Gemcitabine-Modified siRNA

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Kriengsak Lirdprapamongkol

Has presented a poster presentation titled

Sub-lethal doses of oxaliplatin enhance metastatic potential of hepatocellular carcinoma cells through IL-6 receptor upregulation

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Napat Jongjit

Has presented a poster presentation titled

DYNLL1 promotes cholangiocarcinoma progression through enhanced cell proliferation and migration

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Yanisa Sanderson

Has presented a poster presentation titled

**Intermittent hypoxia increase STABILIZATION OF HIF-1 α contributes to
HEPATOCELLULAR CARCINOMA dormancy and RESISTANCE CAPABILITY**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Phakhamon Sriborrirux

Has presented a poster presentation titled

Role of cysteine synthesis pathway in ferroptosis vulnerability of MDR lung cancer cells

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Narisara Sarawan

Has presented a poster presentation titled

Functions of hepatoma-derived growth factor (HDGF) in cholangiocarcinoma

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Prin Sungwan

Has presented a poster presentation titled

**Epithelial V-like Antigen 1 (EVA1): A Novel Therapeutic Target for Immunotherapy
in Cholangiocarcinoma**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Photsathorn Mutapat

Has presented a poster presentation titled

Impact of p53 Alteration on Synergistic Chemoresistance in HCT116 and SW620 Colorectal Cancer Cells

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Waritsara Susena

Has presented a poster presentation titled

Characterization of a Highly Invasive Melanoma Cell with Activation of Matrix Metalloproteinase Enzyme and Upregulation of Vimentin Protein

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Kavita Dubey

Has presented a poster presentation titled

**Investigation of Anti-CD47 Inhibitory Effects on Tamoxifen-Resistant MCF-7 Breast Cancer Cells
in Macrophage-Mediated Phagocytosis**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Pattarawut Sopha

Has presented a poster presentation titled

Overcoming Cancer Drug Resistance: A Low-Toxicity Lamellarin Derivative with Combination Potential

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Phichamon Chusakun

Has presented a poster presentation titled

**Development of novel triazole-based epidermal growth factor receptor inhibitors
for non-small cell lung cancer treatment**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Nantikan Joyroy

Has presented a poster presentation titled

Anticancer Potential of Lawsonia inermis L. Leaf Extracts: Phytochemical Characterization and Associated Antioxidant and Antimicrobial Activities

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Siriporn Keeratichamroen

Has presented a poster presentation titled

**Mechanistic Evaluation of Sesquiterpene Lactones as Promising Anticancer Agents
against A549 Lung Cancer Cells**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Amita Mekarunothai

Has presented a poster presentation titled

Proteome profiling of OVCAR-3 cells characterizes the cellular responses and anti-cancer activity of *Lysiphyllum strychnifolium* (Craib) A. Schmitz hydrolysate

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Khajeelak Chiablaem

Has presented a poster presentation titled

**Anti-Metastatic Efficacy of Pomegranate Root Extract via Suppression of Cancer Cell invasiveness
and Vasculogenic Mimicry**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Sasivimon Pramual

Has presented a poster presentation titled

Polymer-based drug delivery platform confers cancer cells resistance to anoikis

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Thanathip Samkam

Has presented a poster presentation titled

Chitosan-Coated PLGA Nanoparticles for Curcumin Delivery in Non-Small Cell Lung Cancer

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

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Chaiwat Buranaphan

Has presented a poster presentation titled

**Development and Validation of a GPC3-Targeted Liposomal Platform for Precision Drug Delivery
in Hepatocellular Carcinoma**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

Held during August 5-7, 2026

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Chair of the Organizing Committee





CERTIFICATE OF PRESENTATION

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Yawitthaphorn Soihin

Has presented a poster presentation titled

Effect of ethanolic extracts from *Syzygium aromaticum* bud residues on Transforming Growth Factor-beta 1 induced prostate cancer cell progression

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Kanyanut Kotanart

Has presented a poster presentation titled

SRPIN340 Potentiates Tunicamycin-Induced ER Stress-Mediated Apoptosis and Autophagy-Related Responses in Melanoma Cells

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Wannapa Sangseekew

Has presented a poster presentation titled

Targeting Lung Cancer Cells with Salicylaldehyde Benzoylhydrazone: Mechanistic Insights from Two- and Three-Dimensional Culture Systems

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Ratthaporn Laoharenu

Has presented a poster presentation titled

**Structural Optimization of Cardamomin for Enhanced Anticancer Potency and Target Deconvolution
via Chemical Proteomic Approach**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Poomrapee Tinpovong

Has presented a poster presentation titled

**Interpretable Machine Learning-Assisted QSAR Modeling and Experimental Validation
for the Rational Design of Dual PARP1/G-Quadruplex Anticancer Agents**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Apinya Sintavee

Has presented a poster presentation titled

**Screening and binding-profile analysis of cyclic peptides against JAK1, JAK2 and JAK3
using molecular docking, molecular dynamics and machine learning**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Saharat Nanthawong

Has presented a poster presentation titled

**Improved Microbial Enrichment and Taxonomic Resolution in Fecal Metaproteomics
through Optimized Sample Preparation**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Aunyamon Srichaimongkol

Has presented a poster presentation titled

Comprehensive Evaluation of Sample Preparation Strategies for Deep Saliva Proteomics: A Comparative Study of SAX, HILIC, SP3, and In-Solution Digestion

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Parawan Ramanandana

Has presented a poster presentation titled

Application of FTIR Spectroscopy for In-Process Monitoring of IgG Digestion to F(ab')₂ Fragments

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Yanna Debby Restifanny Yasan

Has presented a poster presentation titled

Enhancing Flare Prediction in Systemic Lupus Erythematosus through Longitudinal Extracellular Vesicles Proteomic Profiling

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Ratana Charoenwattanasatien

Has presented a poster presentation titled

Structural study of 2-Cys Peroxiredoxin (PRX1) T84E mutant from *Chlamydomonas reinhardtii*

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Nuttanid Numnoi

Has presented a poster presentation titled

Multi-buffer proteomic profiling reveals detyrosination-associated remodeling of buffer-resolved proteomes in VASH1+2KO A549 cancer cells

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Sunaree Choknud

Has presented a poster presentation titled

Expanding drug glycosylation via Os9BGlu31 engineering

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CERTIFICATE OF PRESENTATION

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Sasiprapha Phookang

Has presented a poster presentation titled

Title Improvement of UGT91 Expression and Activity for Enzymatic Production of Rebaudioside D

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Elisabeth Ivana

Has presented a poster presentation titled

Expression and Activity of Recombinant Beta-Glucoside Kinase from *Klebsiella pneumoniae*

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Suttavadee Junyakul

Has presented a poster presentation titled

Whole cell bioconversion of hexanoic acid to hexanol using recombinant carboxylic acid reductase and xylose reductase in Escherichia coli

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Puttharaksa Sampaonoi

Has presented a poster presentation titled

**PREDICTION, EXPRESSION, PURIFICATION & CHARACTERIZATION OF A GLYCOSIDE
HYDROLASE FAMILY 175 ENZYME**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Jongrak Attarat

Has presented a poster presentation titled

Preliminary Evaluation of Congo Red Decolorization Using Peroxidase Extracted from Orange Peel

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CERTIFICATE OF PRESENTATION

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Nattanan Singhapanich

Has presented a poster presentation titled

**Effects of chaotropic agents on Proteinase K digestion and antimicrobial peptide production
from target soybean protein**

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Natwasa Singhapanich

Has presented a poster presentation titled

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CERTIFICATE OF PRESENTATION

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Rattanathorn Anjit

Has presented a poster presentation titled

Eggshell Membrane Protein Hydrolysis: Functional Characterization and Cosmetic Applications

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Naphat Komit

Has presented a poster presentation titled

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Alisa Peel

Has presented a poster presentation titled

Eggshell Membrane Protein Hydrolysis: Functional Characterization and Cosmetic Applications

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Theetat Ruangjaroon

Has presented a poster presentation titled

Neuroprotective effects of BCX hydrolysate: Enhancement of neurite outgrowth and proteome modulation in undifferentiated SH-SY5Y cells.

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Kotchaklao Mahasean

Has presented a poster presentation titled

Optimization of pH-Dependent Precipitation for Structural Preservation of Soybean Protein Assessed by Fluorescence and Circular Dichroism Spectroscopy

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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President of the Protein Society of Thailand



Dr. Poorichaya Somparn
Chair of the Organizing Committee





CERTIFICATE

OF PRESENTATION

THIS IS TO CERTIFY THAT



Karnyanach Tangjirochthana

Has presented a poster presentation titled

Optimization of pH-Dependent Precipitation for Structural Preservation of Soybean Protein Assessed by Fluorescence and Circular Dichroism Spectroscopy

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

Held during August 5-7, 2026

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President of the Protein Society of Thailand



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Chair of the Organizing Committee





CERTIFICATE OF PRESENTATION

THIS IS TO CERTIFY THAT

Krit Chatchavari

Has presented a poster presentation titled

**EFFECTS OF ISOLATED SOY PROTEIN REPLACEMENT WITH YEAST PROTEIN ON
PHYSICOCHEMICAL PROPERTIES AND SENSORY ACCEPTABILITY OF VEGAN SAUSAGES**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Chair of the Organizing Committee





CERTIFICATE OF PRESENTATION



THIS IS TO CERTIFY THAT

Toollayapron Audsasan

Has presented a poster presentation titled

**Revealing the impact of thermal processing on *Psophocarpus tetragonolobus* (L.) DC. proteome
and nutritional values**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

Held during August 5-7, 2026

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Chair of the Organizing Committee





CERTIFICATE OF PRESENTATION

THIS IS TO CERTIFY THAT

Lukana Ngiwsara

Has presented a poster presentation titled

Functional Characterization of Genetic Variants in Lysosomal Storage Diseases: From Sequence Changes to Protein Dysfunction

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Chair of the Organizing Committee





CERTIFICATE OF PRESENTATION

THIS IS TO CERTIFY THAT

Vipu Vimuttipong

Has presented a poster presentation titled

Effects of Synbiotic Supplementation on Postprandial Plasma Branched-Chain Amino Acid Responses in Recreational Male Bodybuilders

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

THIS IS TO CERTIFY THAT

Yi-Cheng Ho

Has presented a poster presentation titled

Engineering a Nanobody-Based VHH Biosensor for Label-Free Electrochemical Detection of Polycyclic Aromatic Hydrocarbons in Environmental Samples

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

THIS IS TO CERTIFY THAT

Nichapat Wattanawara

Has presented a poster presentation titled

**Fluorescence Spectroscopic Analysis of Peptides and Copper-Peptide Complexes from Chicken
and Duck Eggshell Membranes**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

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Prakaymas Tumcha

Has presented a poster presentation titled

**Fluorescence Spectroscopic Analysis of Peptides and Copper-Peptide Complexes from Chicken
and Duck Eggshell Membranes**

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Soojung Hahn

Has presented a poster presentation titled

Regulation of dysfunctional beta cell via intestinal epithelial organoids-derived exosomes

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Pattarasritida Phatthapong

Has presented a poster presentation titled

Neokestose-rich fructooligosaccharides extracted from red onion ameliorate obesity-associated oxidative stress and renal injury in high-fat diet-induced obese rats

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

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Punnaphat Yasin

Has presented a poster presentation titled

Probiotic supplementation with *Lactaseibacillus chiayiensis* TISTR 2529 and *Limosilactobacillus reuteri* TISTR 2736 attenuates hepatic enzyme and lipid alterations and modulates the gut microbiota in a fructose-induced MASLD rat model

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Salinthip Promngam

Has presented a poster presentation titled

**Cardioprotective Effects of Cardiomyocyte- Targeted Extracellular Vesicles Against Oxygen-
Glucose Deprivation/Reperfusion Injury**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

THIS IS TO CERTIFY THAT

Nadtaya Kongpan

Has presented a poster presentation titled

Therapeutic Effects of SLPI-Containing Extracellular Vesicles on Cardiac Cells Subjected to Ischemia-Reperfusion Injury

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

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Jaruwan Siritapetawee

Has presented a poster presentation titled

The effect of *Euphorbia resinifera* latex on human blood coagulation

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

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Khrit Thongwon

Has presented a poster presentation titled

Effects of salt types and concentrations on bacterial growth and OmpN expression in XL1-Blue

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

THIS IS TO CERTIFY THAT

Anuwatchakij Klamrak

Has presented a poster presentation titled

**Caesalpinia mimosoides as a Potential Source of Antivenom Agents
against Vespa tropica Venom Hyaluronidase**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

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Watcharin Chumjan

Has presented a poster presentation titled

Construction of a TEV protease-cleavable recombinant plasmid for improved expression and structural characterization of recombinant OmpN

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Yanakawee Pattarachotphongsa

Has presented a poster presentation titled

**Evaluation of Recombinant OmpN Stability and Sugar-Binding Properties in LDAO Using
Fluorescence Spectroscopy and Molecular Docking**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Nontacha Roopleam

Has presented a poster presentation titled

**Evaluation of Recombinant OmpN Stability and Sugar-Binding Properties in LDAO
Using Fluorescence Spectroscopy and Molecular Docking**

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Apichaya Phuwasitbenchapha

Has presented a poster presentation titled

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Janutsiya Varavut

Has presented a poster presentation titled

**Binding Affinity of OmpN Toward Kanamycin and Ampicillin Determined
by Fluorescence Spectroscopy**

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Proudduan Wachum

Has presented a poster presentation titled

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Suthatta Pathompeerakul

Has presented a poster presentation titled

**Binding Affinity of OmpN Toward Kanamycin and Ampicillin Determined
by Fluorescence Spectroscopy**

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Phichamon Sangjeen

Has presented a poster presentation titled

**Optimization of LDAO Concentration for Structural Stabilization of Recombinant OmpN
Using Fluorescence Spectroscopy**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Natchaya Sisuphat

Has presented a poster presentation titled

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Yotsakon Laonukun

Has presented a poster presentation titled

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Kamolwan Khianchaikhan

Has presented a poster presentation titled

Comparative proteomic analysis and physical characterization of extracellular vesicles derived from fresh and lyophilized *Naja kaouthia* venom

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Nutpapon Choowichian

Has presented a poster presentation titled

Binding Affinity of OmpN Toward Aspartate and Lysine Determined by Fluorescence Spectroscopy

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Preyalak Vudtiphant

Has presented a poster presentation titled

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Pamika Kankawee

Has presented a poster presentation titled

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Kornwarin Poonpon Kumhong

Has presented a poster presentation titled

Interaction of OmpN with Kanamycin in the Presence of 0.03% LDAO Revealed by Fluorescence Spectroscopy

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Chayada Sirithattanon

Has presented a poster presentation titled

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Ploythira Sirithattanon

Has presented a poster presentation titled

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Dumrongkiet Arthan

Has presented a poster presentation titled

Inducible Secretion of Bacteriocins Against Fish-Pathogenic *Aeromonas* by Cocultures of *Enterococcus faecalis* Isolated from Red Seabass and *Aeromonas hydrophila*

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Kwanchanok Panichtra

Has presented a poster presentation titled

Design and Engineering of Chimeric Lectins With Dual Carbohydrate Specificity

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CERTIFICATE OF PRESENTATION

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Phumrapee Pianpaktr

Has presented a poster presentation titled

Mass Spectrometry-Based Mapping of Conformational Epitopes on SARS-CoV-2 Antigens Targeted by Monoclonal Antibodies

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Ketsaraporn Sensai

Has presented a poster presentation titled

Activity-Based Protein Profiling (ABPP) Reveals Host-Directed Targets of Curcumin Against SARS-CoV-2

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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Artittaya Samanloh

Has presented a poster presentation titled

Experimental coevolution reveals candidate proteins determinant associated with host range alteration in vibriophage.

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

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Sarin Chimnaronk

Has presented a poster presentation titled

Functional and structural characterization of dengue NS5 RNA polymerase

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CERTIFICATE OF PRESENTATION

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Sriwilai Jaidee

Has presented a poster presentation titled

**A FReD-containing lectin facilitates the clearance of *Vibrio parahaemolyticus* in banana shrimp
(*Fenneropenaeus merguensis*)**

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

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Yanisa Chomchuen

Has presented a poster presentation titled

Antibacterial characterization of recombinant FmCrustin from *Fenneropenaeus merguensis*

at the 20th International Symposium of the Protein Society of Thailand (PST2026)

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CERTIFICATE OF PRESENTATION

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Pandharee Srisong

Has presented a poster presentation titled

Functional characterization of the inhibitor of apoptosis protein (FmIAP) in *Fenneropenaeus merguensis* via RNA interference

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CERTIFICATE OF PRESENTATION

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Sophita Rodruksa

Has presented a poster presentation titled

**Functional analysis of FmHtrA2 in apoptosis of banana shrimp (*Fenneropenaeus merguensis*)
by RNA interference-mediated gene silencing**

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