Scientific Program





The 4th ASEAN PharmNET 2024

(International Conference on Pharmacy Education and Research Network of ASEAN)

Held in Conjunction with
The US-THAI Pharmacy Consortium 2024:
The 30th Anniversary Commemoration

Theme:

Global Collaboration in Pharmacy Education, Practice and Research:
Bridging Borders for Health Innovation

Eastin Grand Phayathai Hotel Bangkok, Thailand June 12 – 14, 2024

Conference Program: June 12, 2024

| | DAY 1: Wednesday (June 12, 2024) |
|---------------|--|
| 08.00 – 09.00 | Registration |
| 09.00 - 09.45 | Opening Ceremony (Phayathai Grand Ballroom 1-3) Cultural Performance & ASEAN Flag Parade & Sing Along Commemoration of the 30 th Anniversary of the US-Thai Pharmacy Consortium Welcome Opening Remark Assoc.Prof.Dr. Chutamanee Suthisisang, Ph.D. Founder of ASEAN Pharmnet, Acting for Director of ASEAN Institute for Health Development Former Dean, Faculty of Pharmacy, Mahidol University, Thailand Prof. Michael Katz, Pharm.D. Director of International Programs. The R. Ken Coit College of Pharmacy, University of Arizona, USA Chairman, The US-Thai Pharmacy Consortium Assoc.Prof. Surakit Nathisuwan, Pharm.D. President of Pharmacy Education Consortium of Thailand (PECT) Dean, Faculty of Pharmacy, Mahidol University, Thailand Group Photos |
| 09.45 – 10.15 | Plenary Talk 1 Advancement of Pharmacy Education Through International Collaboration: US-Thai Pharmacy Consortium • Prof. Michael Katz, Pharm.D. Director of International Programs, the R. Ken Coit College of Pharmacy, University of Arizona, USA Chairman, The US-Thai Pharmacy Consortium • Assoc.Prof. Surakit Nathisuwan, Pharm.D. President of Pharmacy Education Consortium of Thailand (PECT) Dean, Faculty of Pharmacy, Mahidol University, Thailand |
| 10.15 – 10.30 | Coffee break & Exhibition (Pre-function area) |

| 10.30 – 11.00 | Prof. Edith A | Plenary Talk 2 Fostering collaborative learning through integrated clinical services and pharmacy education • Prof. Edith A. Nutescu, Pharm.D., MS CTS, FCCP College of Pharmacy, University of Illinois Chicago, USA | | | | |
|---------------|---|---|---|--|--|--|
| 11.00 – 11.30 | Prof.Dr. R. K | <u>-</u> | ogy on Pharmaceutical Sci of Kentucky, USA | ence Research | | |
| 11.30 – 12.00 | Prof. Alan La | Advancement of Pharmacy Practice: Global View | | | | |
| 12.00 – 13.00 | Lunch break | | | | | |
| | | | Concurrent sess | ion | | |
| 13.00 – 15.00 | Symposium 1: Pharmacy Education and Practice (Auditorium) | Symposium 2: Biopharmaceutical Sciences and Pharmaceutical Biotechnology & Pharmacology, Toxicology, and Physiology (Phayathai Grand Ballroom 1) | Symposium 3: Pharmaceutical Technology and Drug Delivery (Phayathai Grand Ballroom 2) | Symposium 4: Pharmaceutical Chemistry (Ari) | Symposium 5: Phytopharmaceuticals and Nutraceuticals (Sena) | Symposium 6: Clinical Pharmacy and Personalized Medicine & Social Administrative Pharmacy (Phayathai Grand Ballroom 3) |

| Chair: Dr. Wannisa Dongtai Ubonratchathani University, Thailand Co-chair: Dr. Renukha Sellappans Taylor's University, Malaysia | Chair: Asst.Prof. Czarina Dominique R. Delos Santos University of the Philippines Manila, Philippines Co-chair: Asst.Prof.Dr. Arnatchai Maiuthed Mahidol University, Thailand | Chair: Prof.Dr. Yahdiana Harahap Universitas Indonesia, Indonesia Co-chair: Assoc.Prof.Dr.Jiraphong Suksiriworapong Mahidol University, Thailand | Chair: Assist.Prof.Dr. Satsawat Visansirikul Mahidol University, Thailand Co-chair: Dr. Chaiyawat Aonsri Mahidol University, Thailand | Chair: Prof.Dr. Triana Hertiani University Gadjah Mada, Indonesia Co-chair: Dr. Watchara Arthan Mahidol University, Thailand | Chair: Assoc.Prof.Dr. Francis R. Capule University of the Philippines Manila, Philippines Co-chair: Dr. Mohd Shahezwan Abd Wahab Universiti Teknologi MARA, Malaysia |
|---|--|---|---|---|--|
| 13.00 – 13.30 Quality Assurance Measures in Pharmacy Education for ASEAN Assoc.Prof. Surakit Nathisuwan, Pharm.D. Faculty of Pharmacy, Mahidol University, Thailand Prof. Dr. Apt. Daryono Hadi Tjahjono Asian Association of Schools of Pharmacy, Indonesia | 13.00 – 13.30 Challenges and Recent Progress in Drug Discovery and Development for Tropical Diseases: The Role of Pharmacology Prof.Dr. Kesara Na- Bangchang President, Pharmacological and Therapeutic Societies of Thailand, Thailand | 13.00 – 13.30 • Innovations in Pharmaceutical Formulation Design for Aging Population Prof.Dr. Pornsak Sriamornsak Dean, Silpakorn University, Thailand | 13.00 – 13.30 • Exploring the Therapeutic Potential of Plant-Derived Polyphenols using Molecular Docking and Network Analysis Assoc.Prof.Dr. Pornchai Rojsitthisak Chulalongkorn University, Thailand | 13.00 – 13.30 • Eurycoma Longifolia and Eurycoma Harmandiana: Phytochemical Contents, Biological Activities Evaluation and in vitro Culture Prof.Dr. Waraporn Putalun Khon Kaen University, Thailand | 13.00 − 13.30 ■ Empowering Pharmacists: The Evolving Role as Vaccinators in Thailand Asst.Prof.Dr. Supatat Chumnumwat Mahidol University, Thailand |

| 13.30 – 14.30 | 13.30 – 14.00 | 13.30 – 14.00 | 13.30 – 14.00 | 13.30 – 14.00 | 13.30 – 14.00 |
|---------------------|------------------------------------|--------------------------------------|----------------------------|------------------------------|--|
| ■ Tips & Best | Network | ■ Tailoring | ■ Computational Drug | Hmong-Mien | Roles of Pharmacist in |
| Practices in | Pharmacology and | Hydroxyappatite | Discovery and | Cultural Uses of | the Emergency |
| Designing New | Cell-Based | Scaffolds for Dual | Development of | Exotic Medicinal | Department |
| Curriculum: | Assessments for | Action: Bone | Novel Tubulin and | Plants | Prof.Dr. Dang Nguyen- |
| Experience from | Potential Cancer | | Phosphatidylcholine- | | 2 2 3 |
| US and Thailand | Targets | Regeneration and | Specific | Asst.Prof.Dr. | Doan-Trang |
| Prof.Dr. Paul W. | Assoc.Prof.Dr. | Sustained Delivery of | Phospholipase C | Methee Phumthum | University of Medicine |
| Jungnickel, R.Ph. | Laddawan | Antibiotics | Inhibitors as Potential | Mahidol University, | and Pharmacy at Ho |
| Auburn University, | Senggunprai | Asst.Prof.Dr. | Anticancer Drug | Thailand | Chi Minh City, |
| USA | Khon Kaen | Amaraporn | Candidates | | Vietnam |
| Asst. Prof. Thitima | University, Thailand | Wongrakpanich | Asst.Prof.Dr. | | |
| Doungngern | | Mahidol University, | Chatchakorn | | |
| Faculty of | | Thailand | Eurtivong | | |
| Pharmaceutical | | | Mahidol University, | | |
| Science, Prince of | | | Thailand | | |
| Songkla University, | | | | | |
| Thailand | 14.00 - 14.30 | 14.00 – 14.30 | 14.00 - 15.00 | 14.00 - 15.00 | 14.00 - 15.00 |
| | Emerging Role of | Development of pH- | Poster Presentation | Poster Presentation | Oral Presentation |
| | CAMSAP Family | sensitive Zerumbone- | | | |
| | Proteins on Lung | encapsulated | | | |
| | Cancer Metastasis | Liposomes for Lung | | | |
| | Assoc.Prof.Dr. Varisa | Fibrosis | | | |
| | Pongrakhananon | Assoc.Prof.Dr. Foo Jhi | | | |
| | Chulalongkorn | Biau | | | |
| | University, Thailand | Taylor's University, | | | |
| | | Malaysia | | | |
| 14.20 17.00 | 14.20 15.00 | 14.20 15.00 | | | |
| 14.30 – 15.00 | 14.30 – 15.00 | 14.30 – 15.00 | | | |
| ■ Implementation of | Toxic or Tonic? | Poster Presentation | | | |
| Interprofessional | Understanding the | | | | |
| Education in | Pharmacological | | | | |
| Pharmacy | Actions of Emerging | | | | |
| Curriculum: | | | | | |

| | • Experience Sharing Prof.Dr. Paul W. Jungnickel, R.Ph. Auburn University, USA | New Psychoactive Substances Prof.Dr. Norazrina Azmi Universiti Kebangsaan, Malaysia | | | |
|---------------|--|---|--|---|--|
| 15.00 – 15.15 | Coffee break & Exhibit (Pre-function area) | | | I | |
| 15.15 – 17.30 | Poster Presentation & (Phayathai Grand Ball | | | | |

Conference Program: June 13, 2024

| | DAY 2: Thrusday (June 13, 2024) | | | | |
|---------------|--|---|--|--|--|
| 08.30 - 09.00 | Registration | | | | |
| 09.00 – 09.45 | Country Status & Progress Report on Pharmacy Education & Practice (Phayathai Grand Ballroom 1-2) Moderator: Assist.Prof. Jennis Meanwatthana Faculty of Pharmacy, Mahidol University | Theme: Drug Discovery and Development (Phayathai Grand Ballroom 3-4) Moderator: Assist.Prof.Dr. Satsawat Visansirikul Faculty of Pharmacy, Mahidol University | | | |
| | Pharmacy Education and Pharmacy Practice at UBD: Brunei Experience Dr. Nurolaini Pg Haji Muhd Kifli PAPRSB Institute of Health Sciences, Universiti Brunei Darussalam,Brunei | Nanoparticles for Enhanced siRNA Delivery in Cancer Models Prof.Dr. Shirui Mao, Ph.D. Shenyang Pharmaceutical University, China | | | |
| 09.45 – 10.15 | Transforming Pharmacy Education in the Philippines: A Strategic Framework for Roadmap Development Assoc.Prof.Dr. Margarita M. Gutierrez, Ph.D. College of Pharmacy, University of the Philippines Manila, The Philippines | The Key to Success in the Cannabinoid Drug Development Journey Prof.Dr. Hitoshi Sato, Ph.D. School of Pharmacy, Showa University, Japan | | | |
| 10.15 – 10.30 | Coffee break & Exhibition (Pre-function area) | | | | |
| 10.30 – 11.15 | Moderator: Dr. Thongtham Suksawat Faculty of Pharmacy, Mahidol University Cambodia, Myanmar, Laos PDR Dr. Chea Sin Faculty of Pharmacy, University of Puthisastra, Cambodia Prof. Dr. Thein May Saw University of Pharmacy, Mandalay, Myanmar | Navigating Pharmaceutical Impurity: Regulation Framework and Analytical Strategies Prof.Dr. Leena Suntornsuk Faculty of Pharmacy, Mahidol University | | | |

| 11.15 – 12.00 | Prof. Dr. Mohd Makmor Bakry Faculty of Pharmacy, Universiti Kebangsaan Malaysia, Malaysia Prof.Dr. Yandi Sukri The Association of Indonesian Pharmacy Higher Education, Indonesia Prof.Dr. Dinh Thi Thanh Hai Hanoi University of Pharmacy, Vietnam Prof.Dr. Paul John Gallaher Department of Pharmacy and Pharmaceutical Sciences, National University of Singapore, Singapore Assoc.Prof. Surakit Nathisuwan, Pharm.D. Faculty of Pharmacy, Mahidol University, Thailand | | Id Thailand Idalaysia, Prof Nara er Education, ciences, | oring Metabolic Polymorphis. Dr. Takayuki Tohge, Ph.D. Institute of Science and Techn | | chemicals in Plants |
|---------------|--|--|---|---|--|--|
| 12.00 – 13.00 | Lunch break | | | | | |
| | | | Concurren | | | |
| 13.00 – 15.00 | Symposium 1: Pharmacy Education and Practice (Auditorium) | Symposium 2: Clinical Pharmacy and Personalized Medicine & Social Administrative Pharmacy (Phayathai Grand Ballroom 4) | Symposium 3: Phytopharmaceut and Nutraceutical (Phayathai Grand Ballroom 3) | | Symposium 5: Biopharmaceutical Sciences and Pharmaceutical Biotechnology & Pharmacology, Toxicology, and Physiology (Phayathai Grand Ballroom 2) | Symposium 6: Pharmaceutical Chemistry (Phayathai Grand Ballroom 1) |

| Chair: Prof. Gary M. Oderda University of Dang Nguyen- Doan-Trang Doan-Trang Chair: Assist.Prof.Dr. Somnuk Bunsupa Mahidol University, University, Malaysia University, Malaysia University, Malaysia | Chutima Phechkrajang |
|--|-------------------------------------|
| University of Doan-Trang Mahidol University, University, Malaysia Udomsinpro | 2 0 |
| | |
| Litability III I I I I I I I I I I I I I I I I I | rasert Mahidol University, Thailand |
| Utah, USA University of Thailand Co-chair: Mahidol | |
| Co-chair: Medicine and Co-chair: Dr. Nor Assoc.Prof.Dr. Waree University, | • |
| Prof. Dr. Li-Jiuan Pharmacy at Ho Chi Khaizan Anuar Limwikrant Thailand | Jarusintanakorn |
| | Or. Teerawit Mahidol University, |
| Associate Dean for Co-chair: MARA, Malaysia Thailand Audshasai | Thailand |
| International Affairs, Assoc.Prof.Dr. Mahidol Ur | niversity, |
| College of Medicine, Montarat Thailand | |
| National Taiwan Thavorncharoensap | |
| University, Taiwan Mahidol University, | |
| Thailand | |
| | |
| | |
| $\begin{vmatrix} 13.00 - 13.30 & 13.00 - $ | |
| | genomics of Tailored Paper-based |
| in Student Health Technology Major as cannabidiol as Nasal Drug Induc | |
| Assessment: Assessment on Phytopharmaceuticals and Pulmonary Injury | Surface Modification |
| Experience Sharing Policy Decision for Diabetic Wound Delivery Systems Assoc.Prof | |
| Prof.Dr. Paul W. Making for the Prof.Dr. Triana Prof.Dr. Teerapol Jiraphun Ji | |
| Jungnickel, R.Ph. Development of the Hertiani Universitas Srichana Mahidol U | |
| Auburn University, Universal Health Gadjah Mada, Prince of Songkla Thailand | Nantana Nuchtavorn |
| USA Coverage: Lesson Indonesia University, Thailand | Mahidol University, |
| Learnt from | Thailand |
| Thailand | |
| Assoc Prof.Dr. Usa | |
| Chaikledkaew | |
| Faculty of | |
| Pharmacy, Mahidol | |
| University, Thailand | |
| | |
| | |
| | |

| 12.20 14.00 | 12.20 14.00 | 12.20 14.00 | 12.20 14.00 | 12.20 14.00 | 12.20 14.00 |
|---|-------------------|-----------------------|-----------------------|-----------------------|--|
| 13.30 – 14.00 | 13.30 – 14.00 | 13.30 – 14.00 | 13.30 – 14.00 | 13.30 – 14.00 | 13.30 – 14.00 |
| Leadership essentials | • Social | ` • | ■ Bioequivalence | Insight Out: The Gut | Transitioning From |
| to Ensure | Administrative | Sativa L.) and its | Studies to Ensure the | Microbiome Impact | Local Wisdom to |
| Meaningful changes | Pharmacy and | Anthocyanins: | Quality of Generic | on Disease and | Pioneering Green |
| Prof. Donald E. | Pharmaconomics in | Mechanisms, Food | Product | Wellness | Chemical/ |
| Letendre, | Viet Nam: | Applications, and | Prof.Dr. Yahdiana | Asst.Prof.Dr. | Pharmaceutical |
| Dean, College of | Development and | Clinical Insights for | Harahap | Pagakrong | Analysis |
| Pharmacy, University | Future Challenges | Postprandial Glycemic | Universitas | Wanapaisan | Assoc.Prof.Dr. |
| of Iowa, USA | Dr. Pham Nu Hanh | and Lipid Regulation | Indonesia, Indonesia | Mahidol University, | Chalermpong Saenjum |
| | Van, Hanoi | Prof.Dr. Sirichai | | Thailand | Chiang Mai |
| | University of | Adisakwattana | | | University, Thailand |
| | Pharmacy, Vietnam | Chulalongkorn | | | |
| | | University, Thailand | | | |
| | | | | | |
| | | | | | |
| 14.00 – 15.00 | 14.00 – 15.00 | 14.00 – 15.00 | 14.00 – 15.00 | 14.00 – 14.30 | 14.00 - 15.00 |
| Strategies & Best | Oral Presentation | Oral Presentation | Oral Presentation | ■ Study on Bioactive | Oral Presentation |
| Practices in Preceptor | | | | Secondary | |
| Development: A Tale | | | | Metabolites from | |
| of Two Continents | | | | Marine-derived Fungi | |
| US and Thailand | | | | Assoc.Prof.Dr. Elin | |
| Prof. Monica L. | | | | Julianti | |
| Miller, | | | | Bandung Institute of | |
| Pharm.D. | | | | Technology, Indonesia | |
| Purdue University, | | | | | |
| USA | | | | | |
| Assoc.Prof. | | | | 14.30 - 15.00 | |
| Weerachai | | | | Oral Presentation | |
| Chaijamorn, BCP, | | | | | |
| FACP | | | | | |
| Chulalongkorn | | | | | |
| University, Thailand | | | | | |
| | | | | | |
| | | | | | |

| 15.00 – 15.15 | Coffee break & Exhibition (Pre-function area) |
|---------------|--|
| 15.15 – 16.30 | Oral Presentation (Phayathai Grand Ballroom 1-4, Sena, Ari, Mo Chit) |
| 18.30 – 20.30 | Welcome Dinner Reception & Performance from ASEAN countries (Phayathai Grand Ballroom 2-4) Hosted by Faculty of Pharmacy, Mahidol University |

| June 13, 2024 | Pharmacology, Toxicology, and Physiology (Mo Chit) | June 13, 2024 | Clinical Pharmacy and Personalized Medicine and Pharmacy Education and Practice (Sena) |
|---------------|---|---------------|---|
| 14.00 – 16.45 | Chair: Prof.Dr. Hitoshi Sato Showa University, Japan Oral Presentation | 13.00 – 16.45 | Chair: Asst.Prof.Dr. Supatat Chumnumwat Co-Chair: Asst.Prof.Dr. Yingrak boondam Chuayboon Mahidol University, Thailand Oral Presentation |

Conference Program: June 14, 2024

| | DAY 3: Friday (June 14, 2024) | | | | | |
|---------------|---|--|--|--|--|--|
| 08.30 - 09.00 | Registration | | | | | |
| 09.00 – 09.30 | Theme: Bridging Boundaries: Optimizing Pharmacy Education for a Globalized Future (Phayathai Grand Ballroom 1-2) Moderator: Dr. Pemmarin Potisarach Faculty of Pharmacy, Mahasarakham University | Theme: Personalized Medicine (Phayathai Grand Ballroom 3-4) Moderator: Dr. Pongpol Thanuphol Faculty of Pharmacy, Mahidol University | | | | |
| | Integrating Teaching of Basic Science and Pharmacy Practice Prof. Melody Ryan, Pharm.D., MPH, BCGP, BCPS Director of International Professional Student Education, and Assistant Provost for Global Health Initiatives College of Pharmacy, University of Kentucky, USA | Clinical Pharmacogenomics Implementation in Thailand: A Dream Comes True Prof.Dr. Chonlaphat Sukasem, Ph.D. Faculty of Medicine Ramathibodi Hospital, Mahidol University, Thailand | | | | |
| 09.30 – 10.00 | Foresight on Pharmacy Education in the Digital Age: Where do we go from here? Asst.Prof.Dr. Somchai Suriyakrai, Ph.D. Faculty of Pharmaceutical Sciences, Khon Kaen University, Thailand | From Bench to Bedside: Translating Research into Clinical Practice Prof.Dr. Jeremy J. Johnson, Pharm.D., Ph.D. College of Pharmacy, University of Illinois Chicago, USA | | | | |
| 10.00 – 10.15 | Coffee break & Exhibition (Pre-function area) | | | | | |
| 10.15 – 10.45 | Implementation and Experiences in Entrustable Professional Activities (EPA) for Pharmacy Education Prof. Ellen M. Schellhase, Pharm.D., FCCP College of Pharmacy, Purdue University, USA | Nutrigenomics: The Next Frontier in Personalized Nutrition Clinical Prof. Monica L. Miller, Pharm.D. College of Pharmacy, Purdue University, USA | | | | |

| 10.45 – 11.15 | Accreditation Council for Pharmacy Education (ACPE) Curriculum Standards & Quality Criteria Prof. Michael Katz, Pharm.D. Director of International Programs, the R. Ken Coit College of Pharmacy, University of Arizona, USA Chairman, The US-Thai Pharmacy Consortium | Structural and Physicochemical Evaluation of Nanomedicine Prof.Dr. Kunikazu Moribe, Ph.D. Graduate School of Pharmaceutical Sciences, Chiba University, Japan |
|---------------|--|---|
| 11.15 – 12.00 | Awards & Closing Ceremony (Phayathai Grand Ballroom) | |
| 12.00 – 14.00 | Lunch break | |