ประชุมเชิงปฏิบัติการ

# Biobank Excellence Workshop 2027

**Beyond Storage:** Building Future-Ready Biobanks for Translational Innovation

"พัฒนาธนาคารชีวภาพสู่โครงสร้างพื้นฐานเพื่อการแพทย์แห่งอนาคตภายใต้มาตรฐาน ISO 20387:2018"

## DAY 1 | CORE BIOBANKING
JANUARY 6, 2027

Venue : **Atthasit Conference Room, 5th floor Queen Sirikit Building**

Moderator : Chawanit Wongkasa

| Time | Session |
|---|---|
| 08.00 AM – 09.00 AM | Registration |
| 09.00 AM – 09.15 AM | **Welcome Remarks**<br>**Assoc. Prof. Ekaphop Sirachainan, MD**<br>Director of Ramathibodi Comprehensive Cancer Center,<br>Faculty of Medicine, Ramathibodi Hospital, Mahidol University |
| 09.15 AM – 10.00 AM | **Opening Keynote : The Next Generation of Biobanking : Strengthening Collaboration for Research, Innovation and Future Healthcare**<br>**Assoc. Prof. Natini Jinawath, MD, PhD**<br>Head of Ramathibodi Comprehensive Tumor Biobank,<br>Faculty of Medicine, Ramathibodi Hospital, Mahidol University |
| 10.00 AM – 10.30 AM | Coffee Break & Sponsor Booths |
| 10.30 AM – 11.15 AM | **Regulatory Compliance and Ethical Considerations for Biobanks**<br>**Asst. Prof. Chusak Okascharoen, MD, PhD**<br>Human Research Ethics Committee, Faculty of Medicine, Ramathibodi Hospital, Mahidol University |
| 11.15 AM – 12.00 PM | **Designing a High-Impact Biobank: Operations, Quality and Sustainability**<br>**Asst. Prof. Pasarat Khongkow, PhD**<br>Director of Human Biobank, Translational Medicine Research Center,<br>Faculty of Medicine, Prince of Songkla University |
| 12.00 PM – 01.00 PM | Lunch break |
| 01.00 PM – 02.00 PM | **Personal Data Protection and Biobanking: Challenges, Compliance and Best Practices**<br>**Nawanan Theera-Ampornpunt , MD, PhD**<br>Office of the Personal Data Protection Committee (PDPC), Thailand<br>Faculty of Medicine Ramathibodi Hospital, Mahidol University |
| 02.00 PM – 02.45 PM | **Data Management & Cybersecurity for Biobanks**<br>**Arnat Pasena**<br>Head of Suandok Repository Unit, Faculty of Medicine, Chiang Mai University |
| 02.45 PM – 03.15 PM | Coffee Break & Sponsor Booths |
| 03.15 PM – 04.30 PM | **Interactive Group Activity I: Hands-On Biobank Data Management and Simulation Challenge**<br>**Ramathibodi Comprehensive Tumor Biobank's staffs**<br>Chayanist Songpatanasilp, Thanastha Thanomchard, Supaporn Wanamkang,<br>Nilubol Singhto, Ph.D. and Chawanit Wongkasa |

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## DAY 2 | CELL BANKING FOR FUTURE HEALTHCARE

JANUARY 7, 2027

**Venue :** Atthasit Conference Room, 5th floor Queen Sirikit Building

**Moderator:** Chayanist Songpatanasilp

| Time | Session |
|---|---|
| 08.00 AM – 09.00 AM | Registration |
| 09.00 AM – 09.45 AM | **Opening Keynote : Biobanks and Thailand's Future ATMP Ecosystem**<br>**Chaiyong Koaykul, PhD**<br>Director of Excellence Center for Advanced Therapy Medicinal Products (EC-ATMPs), King Chulalongkorn Memorial Hospital, Thai Red Cross Society |
| 09.45 AM – 10.30 AM | **Cell Bank Standards and ISO 20387 : Understanding the Differences, Overlaps and Applications**<br>**Prof. Navapun Charuruks, MD**<br>National Blood Centre, Thai Red Cross Society |
| 10.30 AM – 11.00 AM | Coffee Break & Sponsor Booths |
| 11.00 AM – 12.30 PM | **Panel Discussion : Cell Banking for ATMPs : Opportunities, Challenges and Future Directions in Thailand**<br>**Assoc. Prof. Natini Jinawath, MD, PhD**<br>**Panelists :**<br>• **Chaiyong Koaykul, PhD** (EC-ATMPs, King Chulalongkorn Memorial Hospital, Thai Red Cross Society)<br>• **Assoc. Prof. Usanarat Anurathapan, MD** (Department of Pediatrics, Faculty of Medicine Ramathibodi Hospital, Mahidol University)<br>• **Natnaree Siriwon, PhD** (CTEMED Center, Faculty of Medicine, Ramathibodi Hospital, Mahidol University)<br>• **Kitipong Uaesoontrachoon, PhD** (Chief Scientific Officer, Genepeutic Bio Co.,Ltd.) |
| 12.30 PM – 01.30 PM | Lunch Break |
| 01.30 PM – 02.15 PM | **Cell-Based Products and ATMPs in Thailand : Current Landscape and Regulatory Overview**<br>**Morakot Papassiripan, Pharm.D.**<br>Pharmacist (Professional level) and Head of Thai-ATMPs Center, Thai Food and Drug Administration, Ministry of Public Health |
| 02.15 PM – 03.00 PM | **From Banked Cells to Cell-Based Products : Manufacturing Requirements and Regulatory Pathways in Thailand**<br>**TBC** |
| 03.00 PM – 03.30 PM | Coffee Break & Sponsor Booths |
| 03.30 PM – 04.15 PM | **Interactive Group Activity II : Biospecimen Quality Control : Why Pre-Analytics Matter?**<br>**Ramathibodi Comprehensive Tumor Biobank's staffs**<br>Supaporn Wanamkang, Chayanist Songpatanasilp, Thanastha Thanomchard, Nilubol Singhto, PhD and Chawanit Wongkasa |
| 04.15 PM – 04.30 PM | **Wrap-Up & Key takeaways Q&A Session**<br>**Ramathibodi Comprehensive Tumor Biobank's staffs**<br>Supaporn Wanamkang, Chayanist Songpatanasilp, Thanastha Thanomchard, Nilubol Singhto, PhD and Chawanit Wongkasa |

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## DAY 3 | ISO20387: 2018 BIOTECHNOLOGY - BIOBANKING - GENERAL REQUIREMENTS FOR BIOBANKING

**JANUARY 8, 2027**

**Atthasit Conference Room, 5th floor Queen Sirikit Building**

**Moderator :** Supaporn Wanamkang

| Time | Session |
|---|---|
| 08.00 AM – 09.00 AM | Registration |
| 09.00 AM – 09.30 AM | Why does Biobanking important? & Updating of ISO 20387 accreditation scheme establishing<br>**Director of Bureau of Laboratory Quality Standards, Ministry of Public Health** |
| 09.30 AM – 10.30 AM | ISO 20387: 2018 Biotechnology - Biobanking - General requirements for biobanking, Requirements and Implementation guide (clause 1 – 6)<br>**Assoc. Prof. Nattawat Onlamoon, PhD**<br>Faculty of Medicine Siriraj Hospital, Mahidol University |
| 10.30 AM – 10.45 AM | Coffee Break ( 15 mins) |
| 10.45 AM – 11.45 AM | ISO 20387: 2018 Biotechnology - Biobanking - General requirements for biobanking, Requirements and Implementation guide (clause 1 – 6) Cont.<br>**Assoc. Prof. Nattawat Onlamoon, PhD**<br>Faculty of Medicine Siriraj Hospital, Mahidol University |
| 11.45 AM – 12.45 PM | Lunch Break |
| 12.45 PM – 02.45 PM | ISO 20387: 2018 Biotechnology - Biobanking - General requirements for biobanking, Requirements and Implementation guide (clause 7 - 8)<br>**Assoc. Prof. Nattawat Onlamoon, PhD**<br>Faculty of Medicine Siriraj Hospital, Mahidol University |
| 02.45 PM - 03.00 PM | Coffee Break ( 15 mins) |
| 03.00 PM - 03.45 PM | Related ISO standard in Brief :<br>• ISO/TR 22758: 2020 Biotechnology — Biobanking — Implementation guide for ISO 20387<br>• ISO 21899: 2020 Biotechnology — Biobanking — General requirements for the validation and verification of processing methods for biological material in biobanks<br>**Assoc. Prof. Nattawat Onlamoon, PhD**<br>Faculty of Medicine Siriraj Hospital, Mahidol University |
| 03.45 PM - 04.15 PM | Application form for Biobanking accreditation and related documents<br>**Nattakarn Laiaddee**<br>Medical Technologist (Professional Level), Bureau of Laboratory Quality Standards, Ministry of Public Health |
| 04.15 PM - 04.30 PM | Closing Remarks and Certification Ceremony<br>• **Dr. Narongrit Masaya-Anon, MD**<br>Deputy Dean for Quality and Centers of Excellence<br>• **Assoc. Prof. Natini Jinawath, MD, PhD**<br>Head of Ramathibodi Comprehensive Tumor Biobank, Faculty of Medicine, Ramathibodi Hospital, Mahidol University<br>• **Director of Bureau of Laboratory Quality Standards, Ministry of Public Health** |

