

**Day 1: 15:35 – 15:50**

## **Shortage of clinical research professionals: Effort and Suggestion from SiCRES**



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### **Short CV**

**Dr. Sith Sathornsumetee** is Deputy Dean for Research and Innovation at the Faculty of Medicine Siriraj Hospital, Mahidol University in Bangkok, Thailand.

He works closely with the Dean as a part of the Faculty management team responsible for leading the research strategies and operation plans including research human capital development of the Faculty.

He also serves as an advisor for Siriraj Institute of Clinical Research (SiCRES). In addition, he is an internationally recognized neuro-oncologist, who serves as Vice-chair of Education and Outreach Committee of the Asian Society for Neuro-Oncology (ASNO).

Dr. Sathornsumetee received his medical degree from Faculty of Medicine Siriraj Hospital, Mahidol University. He completed research training at Mayo Clinic in Rochester, Minnesota and Neurology residency and Neuro-oncology felloclinical expertise includes treatment of patients with brain tumors. His research has focused on preclinical development and clinical trial evaluation of novel therapeutic strategies for brain tumors. He has published more than 100 full-length manuscripts, invited wship at Duke University in Durham, North Carolina, USA. His reviews, and international book chapters.

### **Abstract**

Clinical research professionals are responsible for medical advancements that improve patient care and quality of life. The global market value of clinical trials was placed at 47.5-83.5 billion US dollars by 2030, with a 5.4-5.7% compound annual growth rate (CAGR) between 2020 and 2030. The global clinical staff market value was placed at 7.04 billion US dollars in 2022, with a 7.5-8.0% CAGR between 2020 and 2026. The demand for novel, innovative research exceeds the supply of competent clinical researchers worldwide due to decreasing accrual rates, high turnover rates, and a paucity of young investigators.

This is further exacerbated in Thailand by limited clinical training and an inability of academia to compete with industries or contract research organizations in attracting and retaining clinical research professionals.

Robust regulatory environments, investments towards educational training programs, competitive compensation, funding, and collaborative efforts with government and private clinical research stakeholders are necessary to acquire clinical research professionals and encourage medical staff – particularly nurses, pharmacists, and technicians – to pursue clinical research tracks.

The Siriraj Institute of Clinical Research (SiCRES) is an academic clinical research institute under the Faculty of Medicine Siriraj Hospital, Mahidol University that provides training for research staff at all levels. It performs phase I to IV clinical trial design and management using experienced investigators and highly trained staff.

The work done at SiCRES is integrated with partners from both private and public sectors. Synchronous collaboration among regulatory authorities, private companies, and academic research institutes is required to attract and retain clinical research professionals in Thailand.