2026 the 9th International Conference on Nanoscience and Technology (ICNST 2026)

📍 Kuala Lumpur, Malaysia   📅 July 15-19, 2026   🌐 **www.icnst.org**

Special Session 3: Advanced Nanomaterials for Clinical Theranostics

Organizer

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Introduction

The integration of advanced nanomaterials into clinical theranostics offers a powerful route to more precise, non-invasive, and personalized management of major diseases. However, conventional diagnostic and therapeutic strategies still face major limitations, including insufficient sensitivity and specificity, poor tissue penetration of imaging probes, lack of real-time monitoring, and systemic side effects of treatments. These challenges are particularly prominent in the early diagnosis and treatment of tumor malignancies and cardiovascular diseases, where delayed detection and limited prognostic accuracy significantly hinder patient outcomes.

Recent progress in nanomedicine has highlighted the unique advantages of functional nanomaterials, such as high surface-to-volume ratios, tunable physicochemical properties, and the capacity to co-deliver imaging agents and therapeutic payloads. When combined with mass spectrometry, biosensing, and artificial intelligence, advanced nanomaterials can serve as integrated platforms for high-throughput molecular profiling, sensitive disease detection, and image-guided therapy.

This special session aims to bring together researchers from materials science, biomedical engineering, analytical chemistry, and clinical medicine to discuss recent advances in the design and application of advanced nanomaterials for clinical theranostics. The session will focus on the development of multifunctional nanomaterials and nano-bio interfaces, their integration with diagnostic and therapeutic modalities, and their clinical translation, with a particular emphasis on improving early diagnosis, treatment precision, and patient prognosis in cancerous and cardiovascular diseases.

More info about special session 3,

please visit: https://www.icnst.org/special-session-3.html

Submission Guideline

Submission Types:

►Full paper Submission (Publication & Presentation)

►Abstract Submission (Presentation Only)

Submission Methods:

- Online submission system:
  https://confsys.iconf.org/submission/icnst2026
- Email Submission: icnst@cbees.net

For more details, you can learn through:

https://www.icnst.org/submission.html

Important Dates

Submission Deadline: April. 5, 2026

Notification Deadline: April. 30, 2026

Registration Deadline: May. 15, 2026

Contact Us

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Working Time: Monday - Friday 9:30-18:00
            (UTC/GMT+08:00)

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