



Symposium on

"Bridging Biomedical Innovation and Clinical Practice: From Discovery to Sustainable Integration"

29th Nov. 2025, 9.15 – 14.15 hrs

Venue:

**LRC 012 Amphitheater Filippou Tsimploglou
LIBRARY-STELIOS IOANNOU LEARNING RESOURCE CENTER
UNIVERSITY OF CYPRUS**

Website: <https://berc.ucy.ac.cy/index.php/events-press>

Objective

The Biomedical Engineering Research Centre (BERC) Symposium 2025 aims to showcase cutting-edge research across its six interdisciplinary domains—spanning sensing and nano-biotechnologies, digital health, robotics and rehabilitation, bioinformatics, imaging and AI, and molecular biosciences. The event seeks to foster dialogue between researchers, clinicians, and stakeholders by highlighting ongoing projects, addressing clinical development and validation challenges. By bringing together expertise from engineering, medicine, and life sciences, the symposium will strengthen collaborations, stimulate translational research, and pave the way for impactful solutions that advance precision medicine, patient care, and healthcare sustainability in Cyprus and beyond.

Pre-Final Program

9.15-9.30 Registration

9.30-9.45 Opening Session

- Welcome addresses (Rector, Deans, Director)

9.45-10.45 Session 1: *BERC Research Areas*

Chairperson: *Assoc. Prof. Vasilis Promponas*, Faculty of Pure and Applied Sciences, University of Cyprus

(i) Sensing, Electronics & Micro- & Nano- Biotechnologies

Assist. Prof. Chrysafis Andreou, Faculty of Engineering,
University of Cyprus

(ii) Digital Health

Prof. Constantinos S. Pattichis, Faculty of Pure and Applied Sciences,
University of Cyprus

(iii) Robotics and Rehabilitation

Assist. Prof. Eftychios Christoforou, Faculty of Engineering,
University of Cyprus

(iv) Bioinformatics, Modelling & Systems Medicine

Assoc. Prof. Vasilis Promponas, Faculty of Pure and Applied Sciences,
University of Cyprus

(v) Imaging, Analytics, Artificial Intelligence

Prof. Costas Pitris, Faculty of Engineering, University of Cyprus

(vi) Molecular/Cellular Biosciences (-omics)

Assist. Prof. Nikolas Dietis, Medical School, University of Cyprus

10.45-11.15 Coffee Break

11.15-12.15 Session 2: Clinical Development and Validation Challenges

Chairperson: Assist. Prof. Nikolas Dietis, Medical School, University of Cyprus

- **Precision Medicine in Oncology**

Assoc. Prof. Anastasia Constantinidou, Medical School, University of Cyprus

- **Algorithms in Diagnostic Pathology: Clinical Applications and Emerging Research**

Assist. Prof. Ilias Nikas, Medical School, University of Cyprus

- **Clinical Translation Pathways and Valuation Challenges in Surgical Innovation**

Prof. Kostas Lasithiotakis, Medical School, University of Cyprus

- **Lung imaging: Need to read between the lines**

Assist. Prof. Pinelopi Anagnostopoulou, Medical School, University of Cyprus

- **Prospects for the Use of Artificial Intelligence in Echocardiography in the Intensive Care Unit**

Dr. Christina Chatzilouka, Cardiologist, Intensivist, Deputy Director, Intensive Care Unit, Nicosia General Hospital

12.15-12.30 Coffee Break

12.30-13.30 Session 3: The way forward

Chairperson: Prof. Costas Pitris, Faculty of Engineering, University of Cyprus

- **Round Table Discussion: Roadmap for Sustainable Clinical Integration**

- **Closing Remarks & Next Steps**

13.30-14.15 Light Lunch

Please register using the following link by Thursday, 27th Nov. 2025:

<https://forms.gle/RUK2jQ1No6GT4LW19>

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