**Press Release**

**ESAO 2025: Innovations in (Bio)Artificial Organs and Organ Models**

**From 25 to 28 June 2025, the European Society for Artificial Organs (ESAO) will bring its annual international congress to the University of Twente – TechMed Centre (Enschede, The Netherlands). This prestigious event provides a global platform for scientists, clinicians, funding bodies, engineers, and industry experts to explore the latest advancements in (bio)artificial organs and cutting-edge organ models.**

**Innovation, Research, and Future Perspectives**

[ESAO 2025](https://www.esao2025.com/) presents a dynamic four-day programme featuring keynote lectures, scientific symposia, interactive discussions, and poster presentations. The congress will showcase groundbreaking developments in (bio)artificial organs and organ models, including advances in bioengineering, biomaterials, hemodynamics, and clinical applications. Experts from various disciplines will share their insights on the development of artificial kidneys, heart pumps, liver models, and the role of microfluidic technologies in organ replacement. Additionally, ESAO 2025 will highlight pioneering research into in-vitro and in-silico models, oxygen supply in artificial organs, and new strategies for toxin removal in dialysis. [View the full programme online.](https://www.esao2025.com/programme/esao/)

**Renowned International Speakers**

One of the key highlights of ESAO 2025 is its distinguished line-up of [plenary lectures](https://www.esao2025.com/programme/esao/plenary-lectures/), with top-notch speakers who will share their expertise on the future of artificial organs:

* **Dr Stephen R. Ash**, CEO of HemoCleanse Technologies LLC (USA), will provide an insightful perspective on the challenges of medical device development in his lecture: *Medical Device Development: From Frustration to Failure to Success.*
* **Prof. Dr Shuvo Roy**, Professor at UC San Francisco (USA), will explore the role of silicon technology in artificial organs in his presentation: *Artificial Organs in Silicon.*
* **Prof. Dr Andries van der Meer**, Professor of Microphysiological Systems at the University of Twente (Netherlands), will discuss the application of organ-on-chip technology in drug development in his talk: *Organs-on-Chips: From Platform Technology to Applications in Drug Development.*
* **Dr Cristiano Amarelli**, surgeon at Monaldi, Azienda Ospedaliera dei Colli (Italy), will offer a clinical perspective on innovative heart replacement therapies in his lecture: *(Bio)Artificial Solutions for Heart Replacement Therapy.*

**Register Now and Benefit from Early Bird Discounts**

[Registration](https://www.esao2025.com/ticketing/) for ESAO 2025 is now open! This is a unique opportunity to become part of a global network of leading experts dedicated to the future of organ support and replacement. Discover groundbreaking innovations, exchange knowledge, and collaborate on solutions that will transform the future of healthcare. Take advantage of the early bird discount until 25 April 2025 and secure your place at this premier congress.

**About ESAO and the University of Twente**

The European Society for Artificial Organs (ESAO) promotes cutting-edge research and innovation in artificial organs and organ replacement therapies worldwide. The [University of Twente](https://www.utwente.nl/en/), host of ESAO 2025, is renowned for its forward-thinking approach to science and technology. The [TechMed Centre](https://www.utwente.nl/en/techmed/), one of Europe’s leading innovation hubs, plays a key role in advancing medical technologies that will shape the healthcare of tomorrow.

For more information and registration, visit the official ESAO 2025 website: [www.esao2025.com](http://www.esao2025.com)