**ESAO 2025: INNOVATIONS IN (BIO)ARTIFICIAL ORGANS AND ORGAN MODELS**

Artificial organs are advancing rapidly, presenting both exciting opportunities and complex challenges. As organ failure becomes an increasingly pressing issue, there is an urgent need for innovative solutions that can transform patient care and revolutionize healthcare systems. Breakthroughs in bioartificial organs and organ models are now at the forefront of this transformation, offering new possibilities for medical treatments and patient outcomes. However, to unlock the full potential of these technologies, interdisciplinary collaboration is more critical than ever before. Researchers, clinicians, engineers, and industry leaders must come together to address the challenges and drive progress.

**Join ESAO 2025 at the Forefront of Innovation**[ESAO 2025](https://www.esao2025.com/) provides an essential platform to foster collaboration and accelerate innovation. Held from June 25 to 28, 2025, at the TechMed Centre, University of Twente (Enschede, The Netherlands), this conference invites experts to explore the latest advancements in bioartificial organs and advanced organ models. This edition, the event is organized by the research group [Advanced Organ Bioengineering and Therapeutics](https://www.utwente.nl/en/tnw/aot/) (AOT) part of the University of Twente - [TechMed Centre](https://www.utwente.nl/en/techmed/), showcasing their leadership and expertise in the field. The event will feature a dynamic program of keynote and plenary presentations, interactive symposia, and discussions, providing in-depth insights into the latest breakthroughs in the field. Attendees will gain valuable knowledge about the potential of bioartificial organs to improve patient care, as well as their ethical and societal implications. By facilitating knowledge exchange and interdisciplinary discussions, ESAO 2025 will empower attendees to explore cutting-edge developments and innovations that are reshaping the future of healthcare.

**Advancing Artificial Organs and Organ Models**ESAO 2025 will showcase research and developments presented by leading researchers, ensuring the [program](https://www.esao2025.com/programme/) represents the forefront of scientific discovery. The event will emphasize transformative advancements in (bio)artificial heart, lung, kidney, liver, pancreas, and other organs. Multi-organ crosstalk and systems integration will also take center stage, addressing the complexity of interconnected organ functions. Explorations in bioengineering and tissue regeneration will be a key highlight, with a focus on innovative in vitro and in vivo organ models, organs-on-chips, and in silico simulations. Additionally, cutting-edge innovations in biomaterials and surfaces, hemodynamics, biomechanics, imaging, and digital twin technology will drive engaging discussions and collaborative opportunities. By integrating diverse perspectives, ESAO 2025 will inspire progress and redefine possibilities in healthcare innovation.

**A Collaborative Future**ESAO 2025 stands out due to its focus on advancements in research and innovation and its ability to bring together professionals from a wide range of disciplines. Hosted in the world-class facilities of the TechMed Centre, this conference will foster an environment of creativity and innovation. As part of the ESAO organization, the event underscores its commitment to advancing the field of artificial organs and organ models. Additionally, the [yESAO](https://www.esao2025.com/programme/yesao/) will take place on June 24 and 25, 2025, providing a platform for young researchers and early-career professionals to showcase their work and engage with the scientific community. The vibrant city of [Enschede](https://www.esao2025.com/general-information/enschede-twente/) and the Twente region further enhance the event, offering a dynamic tech ecosystem and inspiring atmosphere for attendees to connect, collaborate, and build lasting relationships.

Join us at ESAO 2025 to push the frontiers of artificial organ innovation. Mark your calendar and be part of this pivotal moment in medical history. Let’s shape the future of healthcare—together.

Visit [www.esao2025.com](http://www.esao2025.com) for more information.

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[ESAO 2025](https://www.esao2025.com/), held from **June 25 to 28, 2025**, at the TechMed Centre, University of Twente, will focus on the rapid advancements in bioartificial organs and organ models, addressing the urgent need for innovative solutions in patient care. This conference will showcase the latest breakthroughs in artificial organs, including the heart, lung, kidney, liver, and pancreas, and emphasize multi-organ crosstalk, systems integration, and bioengineering. With a dynamic program of keynote presentations, symposia, and discussions, ESAO 2025 will explore the potential of these technologies, including ethical and societal implications, while fostering interdisciplinary collaboration to drive progress.

The event, organized by the [Advanced Organ Bioengineering and Therapeutics](https://www.utwente.nl/en/tnw/aot/) group of the University of Twente - [TechMed Centre](https://www.utwente.nl/en/techmed/), will feature contributions from leading researchers and professionals across various fields. It will also highlight cutting-edge advancements in biomaterials, hemodynamics, biomechanics, imaging, and digital twin technology. Additionally, the [yESAO](https://www.esao2025.com/programme/yesao/) event on June 24-25, 2025, will provide a platform for young researchers to present their work and engage with the scientific community. Set in the vibrant city of [Enschede](https://www.esao2025.com/general-information/enschede-twente/) - The Netherlands, ESAO 2025 offers a unique opportunity to connect, collaborate, and shape the future of healthcare innovation.

View the website [www.esao2025.com](http://www.esao2025.com) for more information.

**ESAO 2025: INNOVATIONS IN (BIO)ARTIFICIAL ORGANS AND ORGAN MODELS**

[ESAO 2025](https://www.esao2025.com/), held from June 25-28 at the TechMed Centre, University of Twente, will explore advancements in bioartificial organs and organ models, addressing the need for innovative solutions in patient care. The event, organised by [Advanced Organ Bioengineering and Therapeutics](https://www.utwente.nl/en/tnw/aot/) group of the University of Twente - [TechMed Centre](https://www.utwente.nl/en/techmed/), will showcase breakthroughs in (bio)artificial organs and organ models, with a program of keynote presentations, symposia, and discussions focused on the technologies' potential. The conference will bring together leading researchers and professionals, engineers, clinicians and industry leaders. Additionally, the [yESAO](https://www.esao2025.com/programme/yesao/) event on June 24-25 will offer a platform for young researchers to showcase their work. ESAO 2025 provides a unique opportunity to connect and collaborate in shaping the future of healthcare innovation.

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