Preliminary Programme 2024/12/05

Date	Time	Session title	Presentation title	Speaker
		DAY 1		
06-02-25	14:00-14:30	**Opening ceremony**	Overview of the event's goals, themes, and the importance of innovation in intensive care	Jan De Waele & Salvatore Maggiore
	14:30-15:00	**Keynote lecture**	The Future of Intensive Care Medicine - Innovation for better outcomes	Maurizio Cecconi
	15:00-16:15	**TED-style pitches: Present and future challenges in Intensive Care**		
		15:00-15:15	Treating more patients with less healthcare workers	Derek Angus
		15:15-15:30	Fighting new infections with less antibiotics	Andrew Conway-Morris
		15:30-16:15	Interactive discussion	
	16:15-16:35	**Coffee break**		
	16:35-17:20	**Ethical issues with the implementation of Artificial Intelligence in the ICU**	Ethical dilemmas posed by AI-driven decision-making in life-and-death situations	Elie Azoulay
	17:20-18:05	**Artificial Intelligence: From prime time to bedside implementation**	What are the hurdles to AI implementation?	Michel Van Genderen
	18:05-19:05	**Industry Session**		
	19:05-20:05	**Networking Reception**		
		DAY 2		
07-02-25	08:30-09:15	**Breakfast round table discussion**	Informal discussions over breakfast on topics like ICU staffing innovations, global health equity in critical care, and digital health solutions	Christian Jung, Derek Angus & Manuela Ferrario
	OR			
	08:30-09:15	**Keynote lecture**	Sub-phenotypes in ICU: is it ready for prime time?	Manu Shankar -Hari
	09:15-10:30	**TED-style pitches: Disruptive technologies in ICU monitoring**		
		09:15-09:30	Point of Care Testing: what's missing?	Marlies Ostermann
		09:30-09:45	More ICU beds or more ICU care in the hospital? What is more sustainable?	Jan De Waele
		09:45-10:30	Discussion	
	10:30-10:50	**Coffee break**		
	10:50-11:40	**Parallel sessions (choose one)**		
		Session 1: Lecture: Should AI replace human judgment in the ICU?	Exploring the boundaries between innovation, patient autonomy and physician oversight in ICU	Leo Celi
		Session 2: Debate: Designing the ICU of the future	Breakout groups ideate on icu design concepts integrating AI, robotics, and sustainability	Elena Sancho Ferrando, Eleonara Balzani & Maria Theodorakopoulou
	11:40-12:30	**Parallel sessions (choose one)**		
		Session 1: Panel discussion: Industry collaboration - Bringing innovations to the bedside	Discussing how industry partnerships are driving technology adoption in icus, from concept to clinical implementation	TBC
		Session 2: Debate: The role of robotics in patient care	Exploring the potential benefits and risks of using new technology for critically ill patients	Lluis Blanch
	12:30-13:30	**Lunch Symposium GE**		
	13:30-14:15	**Keynote lecture**	Telemedicine and virtual ICUs - Extending the borders of intensive care	Bjorn Weiss
	14:15-15:30	**TED-style pitches: Emerging concepts in intensive care**		
		14:15-14:30	Next level neuromonitoring at the bedside	Ari Ercole
		14:30-14:45	Closed-loop ventilation and automation	Salvatore Maggiore
		14:45-15:30	Discussion	
	15:30-16:15	**Parallel sessions (choose one)**		
		Session 1: Lecture: Pharmacogenomics in the ICU		Nicole Hunfeld
		Session 2: Datathon finale		Paul Elbers, Ari Ercole & Massimiliano Greco
	16:15-16:35	**Coffee break**		
	16:35-17:20	**Parallel sessions (choose one)**		
		Session 1: Debate: balancing ICU innovation with environmental sustainability	A debate exploring whether cutting-edge technology can be introduced while minimizing environmental impact	Jan De Waele, Gaetano Perchiazzi, Nicole Hunfeld & Maria Theodorakopoulou
		Session 2: Datathon finale		Paul Elbers, Ari Ercole & Massimiliano Greco
	17:20-18:05	**Parallel sessions (choose one)**		
		Session 1: Case study: AI-powered alarm management in ICUs	Lessons learned from implementing AI-driven alarm systems to reduce alarm fatigue and improve patient safety	Bjorn Weiss
		Session 2: Datathon finale		Paul Elbers, Ari Ercole & Massimiliano Greco
	18:05-19:05	**Industry Session: Frontal lecture: AI and personalized medicine - What's next?**	A look at how AI is shaping the future of personalized ICU care, including predictive analytics for individualized treatment plans	
		DAY 3		
08-02-25	08:30-09:00	**Keynote lecture**	How education and training need to evolve to prepare ICU teams for a tech-driven future	Derek Angus
	09:00-10:00	**TED-style pitches: Innovating ICU workflows**		
		09:00-09:15	Innovative tools and strategies to revolutionize antimicrobial therapy	Jan De Waele
		09:15-09:30	Wearable technologies and biosensors in the ICU	Massimiliano Greco
		09:30-10:00	Discussion	
	10:00-10:45	**Parallel sessions (choose one)**		
		Session 1: Panel discussion: Gene therapy for ICU patients	How 'omics' is or could transform personalized care for critically ill patients	Manu Shankar-Hari
		Session 2: Panel discussion: How to train ICU professionals for the AI era	A discussion on the educational tools and strategies required to prepare future ICU clinicians for AI integration	Leo Celi, Elie Azoulay & Samir Jaber
	10:45-11:05	**Coffee break**		
	11:05-12:05	**TED-style pitches:**		
		11:05-11:20	Digital tools and innovative strategies to enhance family interaction	Kirsten Colpaert
		11:20-11:35	Precision medicine in the ICU: real-time drug monitoring and customization	Jason Roberts
		11:35-12:05	Discussion	
	12:05-12:50	**Parallel sessions (choose one)**		
		Session 1: Breaking silos: Interdisciplinary approaches to ICU innovation	Moving forward together: how to lead healthcare system and industry cooperation	Paul Elbers / Industry
		Session 2: Virtual and augmented reality in ICU education	How immersive technologies like vr and ar are transforming icu training and simulation	Pedro Povoa, Elena Sancho Ferrando & Eleonara Balzani
	12:50-13:20	**Closing plenary: What's next in ICU innovation?**	Reflections on key takeaways from the event and the future trajectory of icu technology, featuring a panel of thought leaders	Jan De Waele & Salvatore Maggiore