



PRELIMINARY PROGRAM OUTLINE
 (SUBJECT TO CHANGE) – Updated: January 13, 2025

THURSDAY, JANUARY 30, 2025		
Time	PARANINFO	AULA MAGNA
8:45-10:30	Good Morning Zaragoza Chairs: Angel Lanas (Zaragoza. Spain)/ Patricia Sancho (Zaragoza. Spain) Nadir Arber (Tel Aviv. Israel)	
8:50-9:15	Opening: Yamir Moreno/ José R Paño (Zaragoza. Spain) The next pandemia is not going to wait 100 years	
9:15_10:15	Earlier acting, better outcomes, greener healthcare Veronique Ezratty (Paris. France) Climate change: We have passed the point of no return, but what should doctors do now? Emilio Sanchez (Oviedo. Spain) Decarbonization of the healthcare process: Improving people and planet's health José María Marín-Trigo (Zaragoza. Spain) Respiratory healthcare innovation: prioritizing patients and environmental sustainability.	9:15-10:15 Student cancer symposium Chairs: Julian Pardo (Zaragoza. Spain)/ Noam Shomron (Tel Aviv. Israel)
10:15-10:40	Official Opening of the Congress Government, Town and Academic Authorities/Nadir Arber/Angel Lanas	
10:40-11:00	Chairs: Raul Alba (Bacelona. Spain)/ Karen Avraham (Tel Aviv. Israel) Samuel Sánchez Ordoñez (Barcelona. Spain) Healing microrobots	
11:00-11:30	Fruits and Health	



THURSDAY, JANUARY 30, 2025 continued		
11:30-13:00	The Future of the health systems: evolution or revolution? Chairs: José M. Piqué (Barcelona. Spain)/ Julius Špičák (Prague. Czech Republic) Nuria Mas (Barcelona. Spain) Socio-economic and geo-politic trends determining the Healthcare systems Scott Young (California. USA) The future view from a Healthcare Provider Ronnie Gamzu (Tel Aviv. Israel) The future view from an Academic Tertiary Care Hospital Rafael Bengoa (ex-minister of Health of Basque region) The view from who has had political responsibilities in health	Robotic surgery debate: Full automation or human touch? Virtual fully robotized operating theaters Chairs: Francisco M. Sánchez-Margallo (Cáceres. Spain) / Jaroslav Regula (Warsaw. Poland), Enrique Gómez-Aguilera (Madrid. Spain) Fully automated operating rooms, is it feasible to achieve this? Guy Lahat (Tel Aviv. Israel) Human touch and supervision are still a necessity José Rubio Briones (Valencia. Spain) “and the winner is.... the patient!”
13:00-14:00	Lunch Break	
14:00:15:00	Superbugs: How can we defeat drug-resistant infections? Chairs: Laura M. Lechuga (Barcelona. Spain)/ Jürgen Rockstroh , (Bonn. Germany) Laura M. Lechuga (Barcelona. Spain). Silence pandemic: advanced diagnosis nanotools to defeat it. Yehuda Carmeli (Tel Aviv. Israel) Multidrug resistant organisms do not exist Carlos Martín (Zaragoza. Spain) The quest to end superbugs tuberculosis: Are vaccines our only hope?	The connected patient. Healthcare or Big Brother? Chairs: Esther Pueyo (Zaragoza. Spain)/ Ronnie Gamzu (Tel Aviv. Israel)/ Sotirios Tsiodras (Athens. Greece) Javier Ramos (Zaragoza, Spain) I will always know the exact clinical status of my patients Helga Monzón (Data Business Leader IBM Spain) My health, their data: 2044 era of surveillance medicine Zoraida Soriano (IACS. Zaragoza. Spain) The cost of care: Are connected patients trading privacy for progress? Eduardo Zubizarreta (Inycom. Spain) Cyber Security - From Risk to Resilience: Shared Data and Medical Equipment



THURSDAY, JANUARY 30, 2025 continued		
15:00-15:40	The Nobel Laureate vision of 2044 Chairs: J.L. Bancalero . (Minister of Health.Aragón Gov. Spain)/ Laura M. Lechuga (Barcelona. Spain), Shiran Shapira (Tel Aviv. Israel) Aaron Ciechanover (Haifa. Israel) Ethics (2044) in precision medicine Roger David Kornberg , Professor of structural biology (Stanford. USA) Infections are harmless: Prophylaxis, early diagnosis and therapy	
15:40-16:10	Coffee Break	
16:10-17:30	Artificial Intelligence or human wisdom? Will my doctor be a robot? Chairs: Manuel Doblaré/ Rocío Aznar (Zaragoza. Spain) Pro: Francisco Herrera (Granada. Spain) “Defending the irreplaceability of human doctors” Con: Noam Shomron (Tel Aviv. Israel) “AI-led diagnosis and treatment” Commentary: John Suckling (University of Cambridge. UK) Andrea Cherubini (Senior Vice President Science, AI and Data at Cosmo IMD. Italy) TBD	16:10- 17:00 IBD 2044: Clearance, cure or medical history Chairs: Carla Gargallo/ Santiago García (Zaragoza, Spain) Fernando Gomollón (Zaragoza. Spain) IBD 2044? Just a chapter in medical history! Iris Dotan (Tel Aviv. Israel) Prevention or at least early detection: AI and a talented gastroenterologist can cure IBD 17:00-17:30 TBD
17:30-18:30	Nanomedicine: Is it time to swallow your doctor? The teeny tiny heroes of healthcare Chairs: Jesús Santamaría (Zaragoza. Spain)/ Chiara Pastore (London. UK). Nature Nano Editor “Trends and future developments in nanomedicine. An editor’s perspective” Robert Langer (Cambridge, Massachusetts, USA). The Edison of Medicine: Robert Langer’s Quest to Solve Global Health Challenges Using Biotechnology.	



FRIDAY, JANUARY 31, 2025		
Time	PARANINFO	AULA MAGNA
8:30-9:45	<p>I can see much better!!</p> <p>Chairs: Julián Garcia-Feijoo (Madrid. Spain)/ Luis Pablo/ Elena García Martín (Zaragoza. Spain)</p> <p>Julio Mayol (Madrid. Spain) AI technology, getting back to real medicine</p> <p>Marcos Ortega (Coruña. Spain) Management of ocular diseases and AI</p> <p>Josef Huemer (London. UK) The future of retinal imaging and optical coherence tomography</p> <p>Alon Harris (New York. USA) TBD</p>	
09:45-10:45	<p>The Human Cyborgs: A brave new species or the end of humanity?</p> <p>Chairs: Pedro Baptista (Zaragoza. Spain)/ Gil Fire (Tel Aviv. Israel)</p> <p>Oskar Aszmann (Wien. Austria) Man, machine, or monster?</p> <p>José Manuel Muñoz (Valencia. Spain) Neurotechnology is leaving hospitals: Why we need neurorights for our future society?</p> <p>Eduardo Fernandez Jover (Alicante. Spain) Hacking the visual cortex: Engineering sight in the blind</p>	<p>Evolutionary eating and exercise: From the Neanderthal to the modern human</p> <p>Chairs: Luis Moreno/J.A Casajús (Zaragoza. Spain)</p> <p>Alfredo Martínez (University of Valladolid. Spain) Planetary, population and personalized nutrition for precision health in an evolving world</p> <p>Yannis Pitsiladis (Hong Kong Baptist University, Hong Kong) Born to run and sweat</p> <p>Iris Dotan (Tel Aviv. Israel) Let your food be your medication.</p>
10:45- 11:15	Wake up coffee	



FRIDAY, JANUARY 31, 2025 continued		
11:15-11:45	I have the funds and I am looking for innovations Chairs: Octavi Quintana (Barcelona. Spain)/Rosa Bolea (Vice-Chancellor. University of Zaragoza) Carmen Laplaza , (Research and Innovation from the European Commission) The future of EU Research and Innovation funding	Chairs: Olga Abián/Rebeca Sanz (Zaragoza, Spain) Luis Pareras (Barcelona. Spain) The frontier of Medicine: Synthetic Biology and Artificial Intelligence
11:45-13:15	Organ transplantation: The next frontier in bioengineering Chairs: Pedro Baptista /Natalia Sanchez-Romero (Zaragoza. Spain) Hans Clevers (Utrecht. Holland) Organoids to model human disease Antony Atala (Wake Forest. USA) Personalized 3D printed implants Solomo Dadia (Tel Aviv. Israel) Everything is replaceable, everything is curable	The microbiota debate: The future of personalized medicine or just hype? Chairs: Sandra García-Mateo (Zaragoza. Spain)/ María Pardos (Zaragoza. Spain) Gianluca Ianiro (Rome. Italy)/ Rafael Valdes (Pamplona. Spain) Supporting microbiota as a core therapy Francisco Guarner (Barcelona. Spain) Highlighting the risks and ethical dilemmas Commentary: Robert Benamouzig (Paris. France)
13:15-14:00	Lunch Break	
14:00-14:45	Good afternoon, Zaragoza: Breaking news Chairs: Alberto J. Schuhmacher (Zaragoza. Spain)/Paola Patrigiani (Chieti. Italy) Space Medicine: Mars is not far anymore Sara García Alonso (European Space Agency. Spain) Primary and emergency medicine in space Shiran Shapira (Tel Aviv. Israel) The teeny tiny vesicles with great potential: The EXO-CD24 story	14:00-15:00 Teaching science to the Z 0.8³ Generation Chairs: Luis Morellón (Dean of the School of Science. Zaragoza)/ Mar Garcia (ViceDean School of Medicine. Zaragoza) Introduction: Evolving minds or losing ground? José A. Mayoral (Chancellor Univ Zaragoza. Spain) The physician education must go on Karen Avraham (Tel Aviv. Israel) Educating future physician in the AI precision medicine era Gonzalo Baquero-Sanz (former president of the national council of medical students of Spain; science communicator. Madrid. Spain) You are totally wrong! Please listen to us/hear our voice



FRIDAY, JANUARY 31, 2025 continued		
14:45-16:00	The third space surgery and robotic endoscopy Chairs: Jaroslav Regula (Warsaw. Poland), Carlos Sostres (Zaragoza. Spain), Maite Herraiz (Pamplona. Spain) Joaquín Rodríguez (Madrid. Spain) My eyes see and work beyond the GI wall Hugo Uchima (Barcelona. Spain) Endoscopic therapy will be personalized Philip W.Y. Chiu (Hong Kong) Good morning patients. I am your robotic endoscopist Andrea Cherubini (Senior Vice President Science, AI and Data at Cosmo IMD. Italy) The integration between AI and Endoscopists in 20 years from now	15:00-16:00 Genome Editing Debate: Moderators: Patricia Sancho (Zaragoza. Spain) / Ursula Jacob (Munich. Germany) Introduction: Karen Avraham (Tel Aviv. Israel) Lluís Montoliu (Madrid. Spain) Human Ingenuity Carles Lalueza Fox (Barcelona. Spain) Nature's Blueprint
16:00-16:30	Four o'clock tea	
16:30- 17:00	Special Lecture Chairs: Dolores Isla (Zaragoza. Spain)/ Enrique Quintero (Tenerife. Spain) Nadir Arber (Tel Aviv. Israel) The best therapy of cancer is prevention: The concept of integrated cancer prevention center. A Comprehensive one stop shop	16:30-17:30 Chairs: Javier Colas (Madrid. Spain) The Inventor Corner 1. TECNALIA 2. CELLA. 3. ENDOCARTO SCOPE. José M Martínez-Montiel (Zaragoza. Spain) Transforming any Endoscope into a Smart Device for Intraoperative 3D Localization, Navigation and Mapping. 4. CITOGEN. Celia Vived Maza. Omics in action: driving precision medicine 5.MAGINATE. Natalia Sánchez Romero. Nature's Prometheus: Development of intestinal microbiome-derived peptides for the treatment of severe liver disease. 6. Hollow Fibre System Technologies. Diana Aguilar



FRIDAY, JANUARY 31, 2025 continued		
17.30-18:50	Goodbye Cancer! Myth, Milestone, or Marketing?" Chairs: Nadir Arber (Tel Aviv. Israel)/ Angel Artal (Zaragoza. Spain) Mariano Barbacid (Madrid. Spain) The cancer cure dilemma: Victory within reach or forever out of Grasp? Ursula Jacob (Munich. Germany) Pan-cancer vaccination Marta Trapero (Lérida. Spain) The fragile line between hope and reality Shiran Shapira (Tel Aviv. Israel) Pancancer screening blood test	
18:50-19:00	Abstract Awards. Closing of the Meeting. Nadir Arber/Angel Lanas/Minister of Health of Aragon Government	