

D34HEALTH - S-RACE/UniSR

Powering real world evidence from Data to Bedside

June 8-9, 2026

Dodecaedro Urbano

Via Monterosa 91 (Milan)

EVENT PROGRAM

Day 1 - June 8, 2026

9:30 - 11:00 AM

Registration and welcome coffee

11:00 - 11:30 AM

Institutional Greetings and Opening

- **Antonio Esposito** - Deputy Scientific Director, IRCCS San Raffaele Hospital
- **Simone Fiorito** - Fondazione D34HEALTH
- **Anna Flavia d'Amelio Einaudi** - Managing Director, Vita-Salute San Raffaele University
- **Alessandro Fermi** - Lombardy Regional Minister for Universities, Research and Innovation

11:30 AM - 12:00 PM

Keynote lecture 1

AI in precision medicine: the S-RACE Platform solution

- **Carlo Tacchetti** - UniSR

Chairperson: **Antonio Esposito** - UniSR

12:00 - 12:45 PM

Round Table

Artificial Intelligence: From Data to Bedside, current pitfalls and opportunities

- **Veronica Jagher** - Health Market Director, Microsoft Western Europe and Director of Health Industry Solutions, Microsoft
- **Roberto Molinaro** - Associate, XGen Venture SGR
- **Antonio Esposito** - Professor of Radiology, UniSR & Deputy Scientific Director, IRCCS San Raffaele Hospital
- **Federica Zanca** - EIC Programme Manager for MedTech and AI in healthcare, European Innovation Council (*Joining Remotely*)

Moderator: **Gianluca Dotti**

12:45 - 1:45 PM **Lunch break**

1:45 - 2:15 PM

Keynote lecture 2

Pitfalls and opportunities of AI in medicine: The European TRAIN Initiatives

- **Michel van Genderen** - Erasmus University

Chairperson: **Daniela Cirillo** - IRCCS San Raffaele Hospital

2:15 - 3:30 PM

Plenary session

D34HEALTH - Oncology topics - Colorectal cancer - Digital/Biological Twins and Tools (15' presentations)

- *Prognostic Models and Predictors of Recurrence in Colorectal Liver Metastasis* | **Lorenzo Manganaro** - aizoOn
- *A 3D culture platform for high-throughput drug screenings and multidimensional omics and imaging assays on patient-derived organoids* | **Giovanni Tonon** - UniSR
- *Multimodal prognostic modelling for patients with colorectal cancer and liver metastases* | **Alberto Traverso** - UniSR
- *From Cells to Chips to Digital Twins: Statistically Sound Parameter Estimation for Agent-Based Models in Organ-on-Chip and Cancer-on-Chip Systems* | **Andrea De Gaetano** - CNR
- Discussion

Chairperson: **Laura Bizzarri** - aizoOn

3:30 - 3:45 PM

Sponsor Lecture

Porini, Microsoft CoE of the DGS Group

- **Valerio Poggio**
- **Alessia De Biase**

3:45 - 4:30 PM **Coffee break**

4:30 - 5:45 PM

Plenary session

D34HEALTH - Oncology topics - Brain Cancer - Digital/Biological Twins and Tools (15' presentations)

- *Preparing the Ground for Digital Twin Models in IDH-Wildtype Gliomas: Clinical Framing, Data Characterization, and Future Directions* | **Tommaso Sciortino** - IRCCS Galeazzi Hospital
- *Brain Imaging for Digital Twin modelling in Neuro-oncology* | **Eleonora Grande** - IRCCS Neuromed
- *An Explainable Multi-Encoder Framework for Brain Tumor Segmentation: From Model Design to Software Implementation* | **Vitoantonio Bevilacqua, Annachiara Cariola** - Politecnico di Bari
- *From Data Collection and Multimodal Integration to Predictive Modeling for Precision Therapy in Glioblastoma* | **Enza Cece** - ISS
- Discussion

Chairperson: **Alberto Traverso** - UniSR

5:45 - 6:00 PM **Closing remarks**

7:30 PM **Standing dinner**

Day 1 – June 8, 2026

HANDS-ON SESSIONS

In parallel with the afternoon plenary sessions

3:00 – 7:15 PM

Parallel hands-on sessions (45' per session)

- S-RACE platform: guided demonstration and best practices – ML, MLFlow, AUTOML, Pipeline, Responsible AI – UniSR
- Federated Learning – Porini, Microsoft CoE of the DGS Group
- Orthanc and segmentation tools (Total segmentator and AI tools) – Porini, Microsoft CoE of the DGS Group
- HPC – CINECA
- Grant opportunities and strategies – Sporedata

- Empowering Healthcare Research with HPC and Cloud Computing
Elisa Rossi – CINECA
 - Chemometric strategies for metabolomics and lipidomics: A case study on Hepatocellular Carcinoma
Vicky Caponigro – Università degli Studi di Salerno
 - A metabolomics and lipidomics MS-based liquid-biopsy assay to identify circulating signature of Hepatocellular Carcinoma
Fabrizio Merciai – Università degli Studi di Salerno
 - Digital and Biological Twins of Cholangiocarcinoma
Vincenzo Cardinale – Sapienza Università di Roma (Joining Remotely)
 - Discussion
- Chairperson: **Luca Gianni** – Fondazione Michelangelo

Day 2 – June 9, 2026

9:30 – 9:45 AM

Opening

9:45– 10:15 AM

Keynote lecture 3

Imaging-based digital twins – the cardio-imaging experience

Antonio Esposito – UniSR

Chairperson: **Carlo Tacchetti** – UniSR

1:15 – 2:15 PM **Lunch break**

2:15 – 2:45 PM

Keynote lecture 4

New therapeutic strategies in Multiple Sclerosis

- **Gianvito Martino** – UniSR

Chairperson: **Monica Miozzo** – UniSR

10:15 – 11:00 AM

Plenary session

Digital/Biological Twins and Tools – Other Oncology Projects from D34H partners (15' presentations)

- An AI-based pre-surgical predictive model in kidney cancer
Alessandro Larcher – UniSR
- AI-Driven models for early detection and risk stratification of pancreatic cancer precursors
Stefano Crippa – UniSR
- Explainable AI and Survival Modeling in Real-World Metastatic NSCLC
Francesca Ogliari – UniSR

Chairperson: **Giovanni Tonon** – UniSR

2:45 – 4:15 PM

Plenary session

D34HEALTH – Chronic Diseases (Diabetes, Multiple sclerosis) – Digital/Biological Twins and Tools (15' presentations)

- Artificial Intelligence in Immunodiabetology: from average risk to trajectory-aware medicine
Lorenzo Piemonti – UniSR
- Advancing Diabetes Management through AI-Driven Solutions: From Data Engineering to Explainable Clinical Tools
Lucia Cascone – Università degli Studi di Salerno
- Multimodal Fusion for Type 1 Diabetes Partial Clinical Remission Prediction
Salaar Arslan – UniSR
- A Data-Driven Multimodal Approach in Early Multiple Sclerosis for Future Digital Twin Development
Maria Ilenia De Bartolo – Università La Sapienza
- AI and real-world data analysis to optimize multiple sclerosis treatment
Paola Valsasina – UniSR
- Discussion

Chairperson: **Ottavio Cremona** – UniSR

11:00 – 11:30 AM **Coffee break**

11:30 – 11:45 AM

Sponsor Lecture

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- **Stefano Brusamolino**

4:15 – 4:30 PM

Plenary session

Launch of the Healthcare 5.0 Advanced Training Program Hackathon

- **Alberto Traverso** – UniSR
- **Antonio Esposito** – UniSR

11:45 AM – 1:15 PM

Plenary session

D34HEALTH – Oncology topics – Liver cancer – Digital/Biological Twins and Tools (15' presentations)

- Toward Personalized Prognostication in Cholangiocarcinoma: An AI Tool for First-Line Chemoimmunotherapy
Andrea Casadei Gardini – UniSR

4:30 – 4:45 PM

Closing remarks and goodbye