

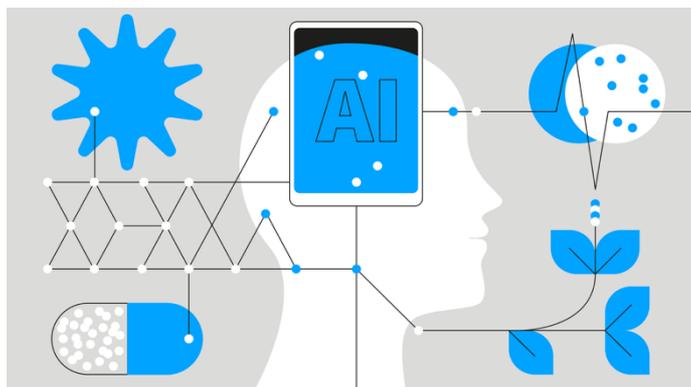
Precision Health Day 2026 - AI Enabled

Giornata della salute di precisione 2026 - AI Enabled

27 marzo 2026
08:30-18:00
Lugano, Campus Est,
Sala polivalente

Scuola universitaria professionale
della Svizzera italiana

SUPSI



PROGRAM

8:30-9:00 Registration and welcome – Accoglienza e benvenuto

9:00-9:15 Opening – Apertura (Conference chair: Prof. Stéphane Meystre; Scientific committee co-chairs: Profs. Alessandro Ceschi and Gian Luca di Tanna) & Institutional welcome (Prof. Milena Properzi)

9:15-10:15 **Keynote: Prof. Stavroula Mougiakakou**

10:15-10:45 Coffee break and poster session – Pausa caffè e **poster session**

10:45-12:15 **Session on "AI for personalized modeling and prediction of diseases"** (chair: Dr. Francesca Faraci)

- NormirNet: A Deep Learning Framework to Distinguish Benign from Malignant Type II Endoleaks using Preoperative Imaging (Francesco Andreoli, Fabio Mattiussi, Elias Wasseh, Andrea Leoncini, Ludovica Ettore, Jacopo Galafassi, Maria Antonella Ruffino, Luca Giovannacci, Alessandro Robaldo and Giorgio Prouse)
- External validation of a deep learning-based surrogate for predicting prediabetes (Lea Multerer, Stefano Toniolo, Roberto Larcher, Julia Mader, Renald Mecani, Maria Concetta Palumbo, Alessandro Ravoni, Paolo Tieri and Laura Azzimonti)
- Computationally efficient patient-specific modeling of type 2 diabetes progression (Lea Multerer, Manuel Acquistapace, Pierluigi Francesco De Paola, Marta Lenatti, Alessia Paglialonga, Zane Smite, Jelizaveta Sokolovska and Laura Azzimonti)
- Self-supervised learning can tackle life-threatening arrhythmia detection data challenges (Giuliana Monachino, Beatrice Zanchi, Giulio Conte and Francesca Faraci)
- Deep Learning-Based ALS Patient Stratification (Federico De Mori Bajolin, Erica Tavazzi, Martin Osvaldo Mendez and Anna Maria Bianchi)

12:15-13:15 Lunch and poster session – Pranzo e **poster session**

13:15-14:00 **Panel on "Precision medicine in the clinical routine"** (chair: Prof. Alessandro Ceschi)

14:00-15:00 **Session on "Technology transfer and funding options for precision health"** (chair: Dr. Loredana Alberti)

- USI Startup Center examples (Biogomics & others)
- Getting Funded in AI for Precision Health: Horizon Europe Opportunities and Strategy (Euresearch)
- Introduction to the Artificial Intelligence Innovation Booster (Alessandro Puiatti)

15:00-15:30 Coffee break and poster session – Pausa caffè e **poster session**

15:30-17:00 **Session on "AI for knowledge extraction from complex clinical data"** (chair: Dr. Laura Azzimonti)

- PATH-zle, an AI-based tool for histopathology Whole Slide Image reconstruction (Gabriele Abbate, Bernardo Forni, Luca Giudici, Paola Migliora, Luca Mazzucchelli, Vittoria Martin and Alessandro Giusti)
- Decision-Oriented Adaptive Testing for Efficient Screening of Comorbid Mental Health Conditions: Proof-of-Concept for Depressive and Anxiety Symptoms in Individuals Seeking Treatment for Social Anxiety (Patric Wyss, Markus Steiner, Rodrigo Lopes, Dajana Šipka, Thomas Berger and Andreas Krause)
- Automatic Identification of Breast Cancer Relapse in Clinical Documentation to Support Registry Curation Using Large Language Models (Lorenzo Ruinelli, Amos Colombo, Liudmila Pagnamenta and Meltem Yenigün)
- Extracting Clinical Text from Electronic Health Record PDFs (Mattia Robbiani, Andrea Teggi, Amos Colombo and Lorenzo Ruinelli)
- Neural decoding from deep brain electrodes to support closed loop therapies in patients with Parkinson's disease (Stefano Scafa, Valeria de Seta, Ruijia Wang, Paula Sanchez Lopez, Camille Varescon, Alessandro Puiatti, Jocelyne Bloch, Gregoire Courtine and Eduardo Martin Moraud)

17:00-18:00 Closing and apéritif – Chiusura e aperitivo

Posters (without oral presentation):

- A Systematic Comparison of Pretrained Visual Representations for Dermatologic Concept Encoding (Linda Wermelinger, Simone Lionetti, Nipun Ranasekara, Marc Pouly and Alexander A. Navarini)
- A Wearable Multichannel sEMG–IMU Platform for Quantitative Upper-Limb Movement Assessment (Stefano Marocco, Giulio Saroglia, Shasa Nicoloso and Igor Stefanini)
- AI-enhanced tumor diagnosis using PATH-zle, the first user-friendly AI tool for tissue reconstruction (Vittoria Martin, Gabriele Abbate, Luca Giudici, Bernardo Forni, Paola Migliora, Alessandro Giusti and Luca Mazzucchelli)
- Head-Mounted Display Systems in Ophthalmic Screening and Diagnostics: A Technical and Clinical Analysis (Kanella Minakaki, Melody Hedinger Ying-Yu and Marino Menozzi)
- Interpretable phenotyping of Heart Failure patients from discharge letters (Vittorio Torri, Machteld J. Boonstra, Marielle C. van de Veerdonk, Deborah N. Kalkman, Alicia Uijl, Francesca Ieva, Ameen Abu-Hanna, Folkert W. Asselbergs and Iacer Calixto)
- Modulating immune cell migration leveraging an opto-electronic-ai platform for bioactive signal discovery (Giulia Camoni, Charlotte Petoletti, Amandine Brenna, Britta Engelhardt and Diego Ulisse Pizzagalli)

NB. All papers presented during the sessions will also have a poster displayed.

Information, registration and contacts:

Event website: <https://www.supsi.ch/en/precision-health-day-ai-enabled>

Email: meditech@supsi.ch

Local WiFi: SUPSI Guest (instructions at <https://si.supsi.ch/cms/wp-content/uploads/sites/44/2022/06/Autonomous-SUPSI-Guest-registration-for-guests.pdf>)

Sponsors:



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