# AI4Health 2023
### *IEEE International Workshop on Artificial Intelligence for Health*

**The program of eScience 2023 is at the link below:**
*https://www.escience-conference.org/2023/timetable*

# *Program of AI4Health*
(All times are reported with reference to the Cyprus time zone)

## Monday, October 09

| 09.00 – 10.30<br>**Registration** |
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**11.00 – 12.30**
Session 1: **Explanaible AI for Health**
Session Chair: **Vincent Scheltjens, KU Leuven (Belgium)**

|  | **Welcome to AI4Health 2023** |
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| *Ilias Panagiotopoulos* | AI-enabled solutions, explainability and ethical concerns for predicting sepsis in ICUs: a systematic review |
| *Giovanna Sannino* | A Novel Deep Learning Approach for Colon and Lung Cancer Classification Using Histopathological |
| *Francesca Sapuppo* | Explainable AI-based Clinical Decision Support System for Obesity Comorbidity Analysis |

| 12.30 – 14.00<br>**Lunch** |
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## 14.00 – 15.30
## Session 2: **Federated Learning for Health**
### Session Chair: **Heribert Pascual Saldaña, UPC Barcelona Tech (Spain)**

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| *Vincent Scheltjens* | Client Recruitment for Federated Learning in ICU Length of Stay Prediction |
| *Fabrizio Celesti* | The Tele-Rehabilitaion as a Service (TRaaS) Project: Rationale, Study Design, and Methodology |
| *Cezar Anicai* | Federated Learning and Genetic Mutation for Multi-Resident Activity Recognition |

## 15.30 – 16.00
## Coffee Break

## 16.00 – 18.00
## Session 3: **AI Applications for Health**
### Session Chair: **Francesca Sapuppo, University of Messina (Italy)**

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| *Heribert Pascual Saldaña* | Analyzing distinct Neural Network Models for Oxygen Saturation Prediction towards a Personalized COPD Management |
| *Jinghua Xu* | Early Prediction of Sepsis using Time Series Forecasting |
| *João A Castelo Branco* | Automatic Machine Learning applied to Electrical Biosignals: A systematic review |
| *Nina Hosseini Kivanani* | Better Together: Combining Different Handwriting Input Sources Improves Dementia Screening |