Artificial Intelligence for **Healthcare Applications**

4th International Workshop

The increased availability of data collected from healthcare systems has paved the way for a plethora of artificial intelligence (AI) applications across all fields of medicine, ranging from diagnosis and therapeutics to systems that improve rehabilitation processes, to name a few. Collaboration between AI researchers and expert clinicians plays an important role in turning complex medical data (e.g., genomic data, online acquisitions of physicians, medical imagery, etc.) into actionable knowledge that ultimately improves patient care and people's quality of life.

This workshop aims to present recent advances in AI techniques for healthcare applications. The workshop aims to bridge artificial intelligence and machine learning researchers and practitioners with clinicians interested in exploiting AI potentialities in their clinical practice.

The workshop will be held on **August 21**, 2026, in conjunction with **ICPR 2026** (28th International Conference on Pattern Recognition, Lyon, France, August 17-22, 2026).

Topics

- Biomedical image analysis;
- Data analytics for healthcare;
- Automatic disease prediction;
- Automatic diagnosis support systems;
- Genomic and proteomic data analysis;
- Artificial Intelligence for personalized medicine;
- Machine Learning as a tool to support medical diagnosis and decisions;
- Machine learning for diagnosis and rehabilitation;
- Generative AI for healthcare;
- Multimodal analysis of health data;
- Explainability to support diagnosis;
- Neural signal analysis for diagnosis assistance;
- Physiological signals processing;
- Gait analysis;
- Therapy selection;
- Brain-computer interface for healthcare;
- Biomechatronics for medicine;
- Neuromotor rehabilitation;
- Machine learning approaches in rehabilitation;
- Motion analysis for healthcare.

Dates

Paper submission deadline	~~May 15, 2026~~ **May 22, 2026**
Final decision to authors	June 9, 2026
Camera-ready for proceedings	June 17, 2026

Proceedings

Accepted papers will be published in the Lecture Notes in Computer Science (LNCS) series by Springer. Authors of AIHA 2026 papers can find complete instructions on how to format their papers here. Papers can be submitted via CMT.

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AIHA 2026 website