

🌐 Italy 📅 June 23-26, 2025

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CONFERENCE WEBSITE: <https://aime25.aimedicine.info/call-for-submissions/>

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## | About the Conference

### Call for Submissions

The AIME 2025 conference invites all interested researchers to submit original contributions on the development of theory, methods, systems, and applications of AI in biomedicine, including the application of AI approaches in biomedical informatics, healthcare organization, and molecular medicine.

### Important Dates

 CONFERENCE DATE  
**June 23-26, 2025**

### Important Dates

Submission opening: October 1, 2024

Abstract submission deadline: January 27, 2025

Paper submission deadline: February 3, 2025

Notification of acceptance: March 26, 2025

Camera-ready submission deadline: April 8, 2025

Main conference: June 23-26, 2025

### Scope

Contributions to theory and methods should present or analyze novel AI theories or methodologies for solving problems in the

biomedical field. They may propose new theories and methods or extensions of existing ones. In either case, the work should demonstrate its utility for solving biomedical problems and highlight its contribution to the underlying theoretical foundations. In addition, it should discuss assumptions, limitations, and novelty with respect to the state of the art.

Contributions addressing systems and applications should describe the development, implementation or evaluation of innovative, AI-based tools and systems in the biomedical application domain. These papers should both link the work to the underlying theory and either analyze the potential benefits for solving biomedical problems or provide empirical evidence of benefits in clinical practice.

The scope of the conference includes, but is not limited to, the following areas:

Machine learning and big data analytics

Natural language processing

Document classification and information retrieval

Large language models and their biomedical applications

AI for biomedical imaging

AI for signal processing and time series analysis

Foundational models and zero/few shots learning

Multimodal learning and information fusion

Data and knowledge integration, graph neural networks

Visual analytics in biomedicine

Bayesian networks, fuzzy logic and reasoning under uncertainty

Temporal and spatial representation and reasoning

Biomedical ontologies and terminologies

Knowledge-based reasoning in biomedicine

Clinical decision support systems

Healthcare processes and workflow management

Computerized clinical practice guidelines and protocols

Patient engagement support (personal healthcare record)

Explainable AI

Precision medicine

AI solutions for ambient assisted living, telemedicine, and e-health

## ☰ TOPICS OF INTEREST

3 topics

Research papers are invited in, but not limited to, the following areas:

Biomedical &  
◉ Health  
Informatics

Artificial  
◉ Intelligence &  
Machine Learning

◉ Medicine &  
Healthcare

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