

🌐 N/a 📅 October 23-24, 2025

CONFERENCE WEBSITE: <https://2025.iabiomed.org/en/call-for-papers/>

| About the Conference

1st Conference of the Spanish Society of Artificial Intelligence in Biomedicine (IABiomed)

(CIABIOMED 2025)

Seville, Spain, October 23-24, 2025, Universidad de Sevilla (US), Seville, Spain

<https://2025.iabiomed.org/>

Important Dates

 **OCT 23**

CONFERENCE DATE
October 23-24, 2025

CIABiomed 2025 will be a meeting place for researchers, professionals and students interested in the ethical, rigorous and responsible use of artificial intelligence in biomedicine. This multidisciplinary event will provide an open forum for sharing recent advances, discussing current challenges and exploring new trends. It will cover everything from the development of techniques and models to their application in real clinical contexts. It will combine scientific content with an informative approach through keynote lectures, oral presentations and scientific posters.

The scientific community is invited to submit original papers related to the following thematic areas of the conference (among others):

- Artificial intelligence applications in public health and rare diseases.
- Machine and deep learning for biomedical data analysis.
- Big Data and computational infrastructures for AI systems in biomedicine.
- Artificial intelligence-assisted biomarker development.
- Ethics, privacy and security in AI applications in healthcare.
- AI for multi-omic integration and analysis of heterogeneous biomedical data.
- Explainable and interpretable AI in clinical and biomedical contexts.
- Artificial intelligence in infectious diseases and epidemiological surveillance.
- Artificial intelligence in biosensor engineering and intelligent medical devices.
- Brain-computer interfaces (BCI) based on AI techniques.
- Mining of clinical and epidemiological data using AI algorithms.
- Predictive modelling and personalised medicine using artificial intelligence.
- Modelling and simulation of biological systems with AI approaches.
- Educational platforms and clinical simulation based on artificial intelligence.
- Prediction of protein structures and molecular interactions with AI techniques.
- Medical image processing and computer vision in clinical environments.
- Collaborative projects in biomedical AI: transfer, validation and use cases.
- AI-powered computational radiomics, genomics and phenomics.

- Gene co-expression networks and biological network analysis using AI.
- Medical robotics and artificial intelligence applied to surgery and assisted therapies.
- AI-based clinical decision support systems.
- Telemedicine and AI-driven digital health platforms.
- Natural language processing (NLP) in biomedicine.

Potential authors should submit their contributions to the general topic or to one of the special tracks, if applicable. For more information, please refer to the submission guidelines.

SPECIAL TRACKS

Apart from the regular, CIABiomed 2025 has special tracks. Concretely:

- Special Track on Special track on Generative AI in Healthcare: Models, Agents, and Clinical Decision Support (IAGAM):

<https://2025.iabiomed.org/en/special-track-iagam/>

- Special Track on Computational Multiomics-Clinical Integration for the Discovery and Validation of Predictive Biomarkers (ICMBIO):

<https://2025.iabiomed.org/en/special-track-icmbio/>

- Special Track on Explainable, robust, and trustworthy Artificial Intelligence (ERTAI):

<https://2025.iabiomed.org/en/special-track-ertai/>

- Special Track on Intelligent Systems for the Assessment and Treatment of Early Stages of Alzheimer's Disease and Other Dementias (SIETAD):

<https://2025.iabiomed.org/en/special-track-siedad/>

ORGANIZERS

- Aurelio López Fernández, Universidad de Sevilla (Spain)
- Alejandro Rodríguez González, Universidad Politécnica de Madrid (Spain)

PAPER SUBMISSION AND PUBLICATION

CIABiomed 2025 accepts four types of submissions:

- Regular papers: Limited to a range of 12-15 pages.
- Short papers: Limited to a range of 6-11 pages.
- Posters papers: Limited to a total of between 4-6 pages. For presentation purposes at the conference, authors should prepare the poster in portrait format. Accepted dimensions are 60 (width) x 80 (length).
- Breakthroughs papers: Papers to give visibility to recent research and bring these advances closer to the scientific community. Breakthroughs papers may refer to work that has already been published, although the content of the document must be completely original. The contribution is limited to 2-4 pages. The duration of the oral presentation of this type of document will be shorter than the regular one.

Regular and short papers accepted will be included with their own DOI in Lecture Notes in Bioinformatics (LNBI) from Springer. Poster papers

accepted will also be published in Lecture Notes in Bioinformatics (LNBI) grouped under the same DOI. In order to encourage more developed contributions, authors are encouraged to expand their papers whenever possible, so that they can be considered as regular papers. The accepted breakthrough papers will be published in the society's own proceedings which will be available on the official IABiomed website.

Papers should be submitted electronically via the following website:

<https://meteor.springer.com/CIABiomed2025>

All submitted papers must be written in English and will be reviewed by single-blind peer review by at least three members of the Program Committee. Papers must be original and must not have been published previously. In addition, submitted documents must comply with Springer's code of conduct:

<https://www.springernature.com/gp/authors/book-authors-code-of-conduct>

Publication is conditional on the registration and presentation of the paper at the conference by one of the authors. Accepted oral presentations and posters may be presented at the conference in Spanish. Once the conference is over, the accepted contributions will be published in the corresponding proceedings depending on the type of submission made.

CONTACT

IMPORTANT DATES

- Paper submission deadline: July 20, 2025
- Notification of acceptance: September 10, 2025
- Camera-ready due: September 21, 2025

TOPICS OF INTEREST

2 topics

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

Artificial
◦ Intelligence &
Machine Learning

◦ Medicine &
Healthcare