



AIMS

September 2026

Artificial Intelligence for Medical Students
Erasmus+ KA220-HED Cooperation Partnership

www.aimsproject.eu



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WELCOME

Helping future doctors use AI with confidence and care

Artificial intelligence is no longer a distant idea in healthcare. It already shapes how clinicians read images, manage information, identify patterns and support decisions. For medical students that is both an opportunity and a challenge. AI can strengthen care, but only if future doctors understand how to use it critically, ethically and safely.

That is where AIMS comes in. Artificial Intelligence for Medical Students is a 30 month Erasmus+ Cooperation Partnership running from 2025 to 2028, bringing together seven partners across six countries. It combines university teaching expertise, clinical and medical device insight, and digital learning design.

AIMS does not treat AI as a purely technical subject, and it does not reduce the conversation to fear or hype. It supports a more realistic view. AI can help future clinicians work more effectively, but only alongside human oversight, ethical awareness and a firm commitment to patient centred care.

This is our first newsletter. It introduces the partnership, sets out what we achieved in year one, and previews the work ahead.



THE CHALLENGE

What our research found in year one

Before designing anything, AIMS asked what medical students and educators actually need. Our needs analysis surveyed 85 people across the six partner countries, 61 students and 24 educators. Alongside it, the consortium carried out 31 expert interviews with clinicians, medical technologists and curriculum designers between December 2025 and April 2026.

The picture that emerged is consistent.

98.3% of students consider AI important to their future practice

98.4% want more AI learning resources in their programme

40.8% rarely or never encounter AI in their coursework

75% of educators are not confident teaching AI

75% of educators are unaware of the Medical Device Regulation

Student use of AI is extensive but informal, and it is outpacing institutional design. Faculty adoption is emerging but inconsistent. Governance is patchy. The risks that matter most in practice, automation bias, accountability gaps, algorithmic discrimination and data privacy, are rarely taught.

The main barriers are educational and cultural, not technological. That single finding shapes everything AIMS is building.



COMPETENCES

Four competences for AI-ready clinicians

Our evidence base points to four priority competences. They anchor the AIMS Competence Framework now in development across the consortium under WP3.

1 **Critical Judgment**

The ability to interpret and challenge AI outputs, and to recognise automation bias before it shapes a decision.

2 **Accountability**

Internalising that responsibility always stays with the human professional, never with the algorithm.

3 **Human Oversight**

Knowing when to override an AI recommendation, and being able to justify a clinical decision either way.

4 **Relational Care**

Amplifying human empathy and communication as AI takes on more of the analytical work.

"The professional, not the algorithm, remains responsible for the decision." That principle frames the whole AIMS approach to AI in medical education. AI can assist, augment and accelerate. Clinical responsibility is, and remains, human.



CONSORTIUM

Seven partners, six countries

AIMS brings together four medical faculties, two specialists in digital learning and dissemination, and one medical device industry partner.



Universidad de Alcalá

Spain · Coordinator

www.uah.es



Hacettepe University

Turkey · Medical faculty partner, WP2 co-lead

www.hacettepe.edu.tr



Grigore T. Popa University of Medicine and Pharmacy Iași

Romania · Medical faculty partner, WP4 lead

www.umfiasi.ro



Medical University of Warsaw

Poland · Medical faculty partner, WP3 co-lead

www.wum.edu.pl



European E-learning Institute

Denmark · Digital learning, website and content

euei.dk



Momentum Educate + Innovate

Ireland · WP5 dissemination and sustainability

www.momentumconsulting.ie



MG Healthcare

Ireland · Medical device industry expertise

www.mghealthcare.com





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Year one

PROGRESS

Milestones from the first twelve months

Oct 2025	Grant agreement signed and the project launched with an online kick-off of all seven partners.
Nov 2025	Methodology agreed for the Synergy Matrix, and the expert interview programme designed.
Dec 2025	Interview programme opens across the academic partners.
Jan 2026	First transnational meeting at Universidad de Alcalá. Scope, clinical classification and the medical device regulatory boundary agreed. Project logo selected.
Mar 2026	The AIMS website goes live at aimsproject.eu. Brand manual and branded templates issued. LinkedIn and Facebook channels opened.
Apr 2026	31 expert interviews completed against a target of 30, and the first findings report circulated.
May 2026	AIMS presented at ICEMS-BIOMED 2026 in Suceava, Romania.
Jul 2026	AIMS awarded a gold medal at INVENTICA 2026.
Sep 2026	Second transnational meeting hosted by the Medical University of Warsaw, opening WP3.

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Out in the world



ICEMS-BIOMED 2026, Suceava

On 7 May, project coordinator Marçal Mora of Universidad de Alcalá presented "Preparing Future Clinicians for AI-Driven Biomedicine" at the 3rd International Conference on Electromagnetic Fields, Signals and Biomedical Engineering, hosted by the University of Suceava, Romania. The session set out how medical curricula need to evolve to prepare clinicians for AI in practice, drawing on the 31 AIMS expert interviews. Our thanks to Radu Ciorap for the invitation.

Gold medal at INVENTICA 2026

In July, AIMS was awarded a gold medal at INVENTICA 2026, one of the longest running international exhibitions of research, invention and innovation. The award recognises the relevance of the AIMS approach to a real and immediate gap in medical education.

Digital reach

aimsproject.eu has been live since March 2026 and carries project news and, in time, every project result as a free and open resource. AIMS is also on LinkedIn and Facebook.

Coming up

The consortium targets four conference submissions over the project lifetime. If you are organising an event where AI in medical education belongs on the programme, we would be glad to hear from you.

Inside the Synergy Matrix

The Synergy Matrix is the first major AIMS output and the foundation for everything that follows.

It is a curriculum alignment tool. On one axis sits the undergraduate medical curriculum. On the other sit the AI applications actually in use in clinical and research settings today. The Matrix maps one against the other, so a dean or an academic coordinator can see at a glance where AI genuinely touches pathology, pharmacology, biochemistry, biostatistics and the rest, and where it does not.

Three design decisions shape it. Use cases are drawn from real clinical practice rather than from the literature alone, through the 31 expert interviews. Applications are classified against recognised clinical terminology so the Matrix speaks the language medical faculties already use. And scope is bounded by the EU Medical Device Regulation, so the tool reflects what may lawfully be deployed in care.

The Matrix will publish as a digital package of three parts. The map itself. A narrative report explaining the mapping and its implications for curriculum design. And case studies showing how AI is used across different specialties.

Development is under way and publication is expected during the coming year. The Competence Framework in WP3 and the Digital Course in WP4 both build directly on it.

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What next



The road to 2028

Year two turns evidence into teaching resources.

WP3, Competence Framework and Teaching Kit. Building on the four priority competences, the consortium defines what an AI-ready medical graduate should know and be able to do, then packages adaptable teaching activities so educators can embed it in courses that already exist.

WP4, the AIMS Digital Course. An interactive, openly licensed course that lets students explore AI through applied scenarios and simulations rather than through theory alone.

WP5, sharing the results. Four newsletters, an open resource library on aimsproject.eu, conference presentations and publication on the Erasmus+ Project Results Platform. Every AIMS output will be free to use and will stay online for at least five years after the project closes.

Get involved. If you teach in a medical or health sciences faculty and would like early access to the Framework or to take part in piloting the course, contact us through the website. We are particularly keen to hear from educators willing to test materials with their own students.



Thank you for reading.
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Issue 2 follows in 2027.

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