



PRESS KIT

AI platform for scientific and medical research

August 2026

What is NousLab

NousLab is a SaaS AI platform designed to accelerate scientific and medical research. It does in minutes what used to take weeks: reading hundreds of papers, building hypotheses, generating clinical protocols, and planning research projects.

"We want researchers to save even more lives."

Jesus Arias, Founder and CEO of NousLab

The problem

Scientific research is a slow and costly process. A researcher spends over 40% of their time reviewing scientific literature. With more than 4 million papers published every year and a complete clinical research cycle that can last between 3 and 5 years, the scientific community needs tools that allow them to reach answers faster.

+40%

of a researcher's time is spent on literature review

+4M

scientific papers published every year worldwide

3-5 years

average duration of a complete clinical research cycle

The solution

NousLab uses advanced AI models (Gemini, Claude) to automate the most time-consuming phases of the research process: paper search and analysis, evidence-based hypothesis generation, protocol design, research roadmap, evidence base, and funding search. All integrated into a single multi-tenant platform designed for research teams.

Value proposition: NousLab does in minutes what used to take weeks or months: searching and analysing papers, building hypotheses, generating clinical protocols, creating research roadmaps, compiling the evidence base, and finding funding. So researchers can reach the answers faster.

Target audience

Universities

Hospitals

Research centres

Pharmaceutical companies

BioTech

CROs

Laboratories

The platform is designed for any organisation conducting scientific research that needs to accelerate its research process without compromising academic rigour.

The product

NousLab is the only platform that covers the complete scientific research cycle: from paper search to project funding, including analysis, hypothesis generation with forest plots and scores, protocol design, roadmap with Gantt charts, and the evidence base.

Smart search

Access to over 250 million papers from 12 scientific databases (PubMed, Semantic Scholar, OpenAlex, arXiv, CrossRef, Europe PMC, DOAJ, BASE, ClinicalTrials.gov, Orphanet, GARD, and OMIM). Simultaneous search and automatic deduplication.

AI analysis

Automatic extraction of key data, methodology, results, conclusions, and quantitative data from each paper. Structured summary generation and evidence quality assessment.

Hypothesis generation

Creation of research hypotheses based on evidence from analysed papers, with confidence scores (novelty, feasibility, impact), automatic meta-analysis with interactive forest plots, and Gantt charts for planning.

Protocol design

Complete generation of clinical research protocols adapted to applicable ethical frameworks (Helsinki, ICH-GCP, Belmont, and 32 more). Includes inclusion/exclusion criteria, endpoints, and statistical design.

Research roadmap

Strategic planning by research project phases with time estimates, required resources, and key milestones.

Autonomous AI agents

Research tasks that run autonomously 24/7: publication monitoring, trend analysis, and alerts for new relevant papers.

Contextual assistant

Intelligent chat with persistent memory that knows your papers, projects, and research status. Answers questions, suggests next steps, and guides the research process.

Regulatory frameworks and ethics committee

32 international regulatory frameworks configurable per organisation. Ethics committee integrated into each research project, with ethical context automatically injected into all AI generations to ensure regulatory compliance.

Collaborative library

Shared paper library within each organisation. Allows research teams to organise, share, and collaborate on scientific literature in a single space.

Evidence base

Automatic compilation of all scientific evidence used in each hypothesis: papers, methodologies, results, and conclusions, organised and exportable.

Funding search

Intelligent search and matching of grant calls and funding sources relevant to each research project.

Multi-format export

Full export of hypotheses, protocols, roadmaps, and evidence base in 5 formats: PDF, DOCX, Markdown, LaTeX, and Text. Content ready for publication or presentation.

Competitive advantage

Tools like Consensus, Elicit, Scite, or Research Rabbit partially cover paper search and analysis. None of them offers the complete cycle: hypothesis generation with forest plots, protocol design, roadmap with Gantt charts, evidence base, autonomous AI agents, funding search, integrated ethical compliance, or on-premise deployment. NousLab is the only comprehensive solution for research teams.

Market and opportunity

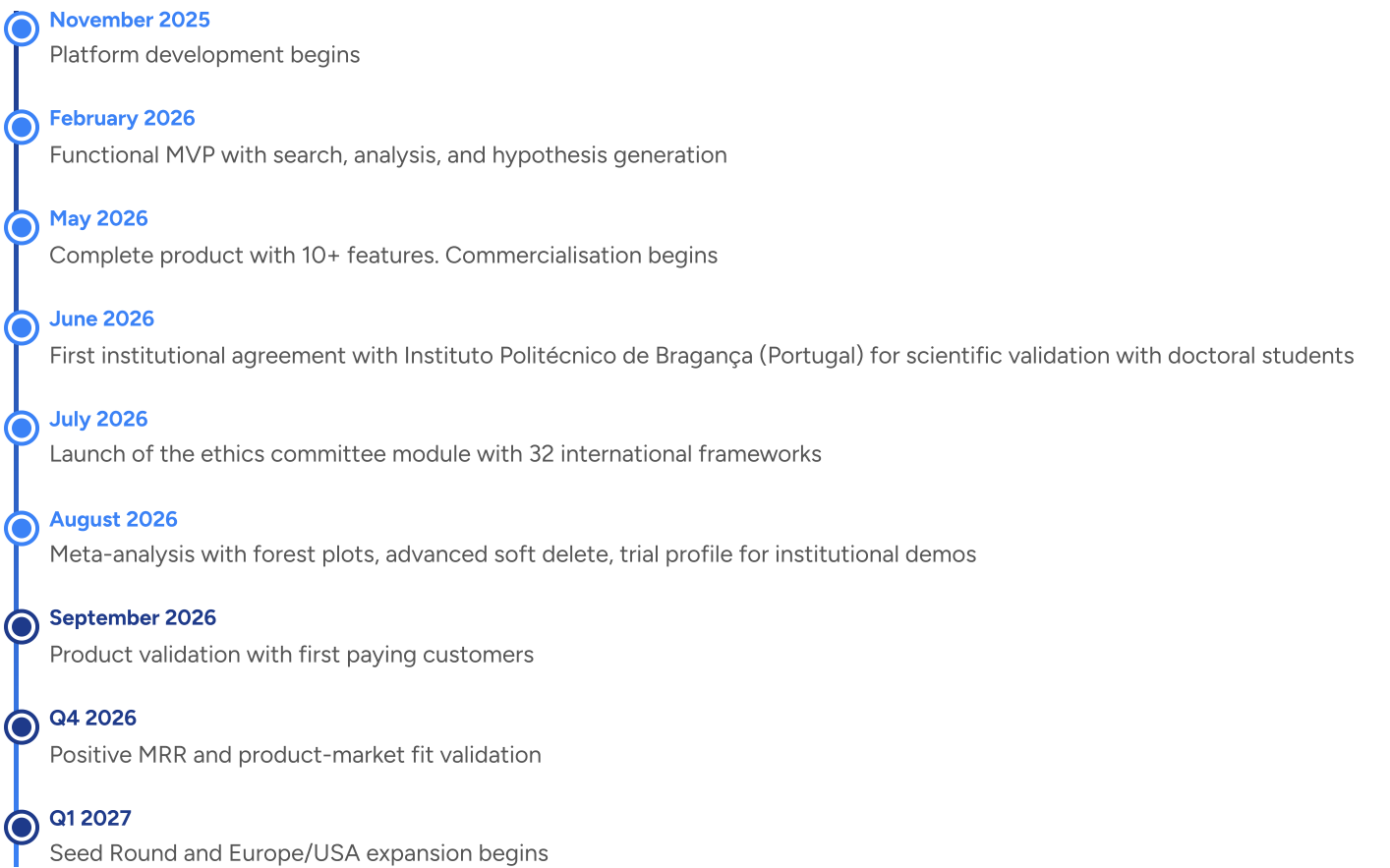


The scientific research software market is booming, driven by the need to process growing volumes of scientific literature and the accelerated adoption of AI tools in academic and clinical settings. NousLab is positioned at the intersection of three trends: HealthTech, applied AI, and B2B SaaS for research institutions.

Business model

NousLab operates on a B2B SaaS subscription model with per-organisation licences. The platform includes full access to all AI features with no additional usage costs.

Traction and milestones



Bootstrapped: NousLab has been built entirely with own resources, without external investment. The complete product was developed in 9 months by a small team, demonstrating execution speed and capital efficiency.

Founder



Jesus Arias

Founder and CEO

20 years of experience in development, SEO, GEO, and digital marketing. Product creator, platform architect, and full-stack developer. Responsible for strategy, development, and growth.

Jesus combines a deep vision of the digital market with the technical capacity to build complete products autonomously. He created NousLab from scratch, from backend architecture to AI integration and the user interface, with the goal of giving researchers the tools they need to reach the answers that save lives faster.

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Jesus Arias, Founder and CEO of NousLab

Technology

NousLab combines a robust multi-tenant SaaS architecture with cutting-edge artificial intelligence:

Backend

Laravel 12 (PHP 8.1+), multi-tenant architecture with RBAC, Sanctum authentication, per-organisation licence system.

AI microservice

Python FastAPI dedicated to paper processing, analysis, and generation.

AI models

Integration with Gemini (Google) and Claude (Anthropic) for analysis, hypothesis generation, protocols, and contextual assistance.

Data sources

12 integrated scientific databases: PubMed, Semantic Scholar, OpenAlex, arXiv, CrossRef, Europe PMC, DOAJ, BASE, ClinicalTrials.gov, Orphanet, GARD, and OMIM.

Privacy and security

Privacy is a fundamental pillar of NousLab. Each organisation operates in an isolated environment with its own data and configurations. Researcher data is never shared between organisations. The platform is designed to comply with GDPR and offers on-premise deployment for organisations with strict security requirements.

Multilingual

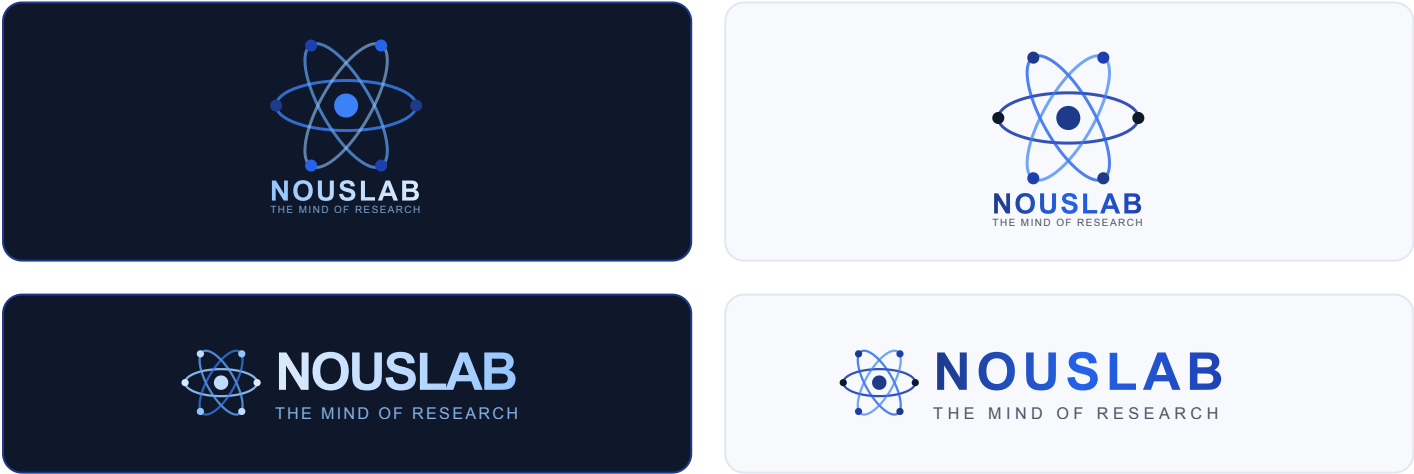
The platform is available in 8 languages: English, Spanish, Catalan, Portuguese, French, German, Italian, and Dutch. All AI-generated content adapts to the user's language.

Fact sheet

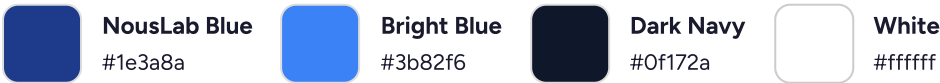
Name	NousLab
Website	https://nouslab.org
Founded	November 2025
Headquarters	Cambrils (Tarragona), Spain
Founder and CEO	Jesus Arias
Sector	HealthTech · AI · SaaS · B2B
Product	AI platform for scientific and medical research
Target	Universities, hospitals, pharma, CROs, research centres
Scientific sources	12 databases, +250M papers
Languages	8 (EN, ES, CA, PT, FR, DE, IT, NL)
AI models	Gemini (Google), Claude (Anthropic)
Funding	Bootstrapped (self-funded)

Press assets

All brand assets are available for editorial use. For specific requests or additional formats, contact contact@nouslab.org.



Brand colours



Typography

Figtree (Google Fonts), weights 300 to 900.

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