Coremine Vitae

AI, bioinformatics & precision medicine

Turning biomedical data into actionable insight for research, clinical innovation and patient-centred healthcare.

WHO WE ARE

Coremine Vitae is a Norwegian health-tech SME specialising in AI-driven biomedical analytics, bioinformatics and multimodal data integration. Built on the PubGene and Coremine heritage, we bridge cutting-edge biomedical research and real-world health decisions through computational methods, high-quality scientific content, decision-support tools and patient-centric digital-health solutions.

200+

personalised medicine reports in cancer and complex diseases

Associated Country

Norway takes part in Horizon Europe on equal terms; we join as a full beneficiary

CORE CAPABILITIES

AI & generative AI

Machine learning, RAG systems, fine-tuned and domain-adapted LLMs, explainable insights on biological networks.

Bioinformatics & multi-omics

Genomic and proteomic analysis, mutation analysis, drug-target prediction, biomarker discovery and patient stratification.

Multimodal data integration

Linking clinical, molecular and other biomedical data for personalised research, model development and virtual human twins.

Knowledge mining & systems biology

Text mining and NLP, relationship extraction, network analysis and scientific trend analysis.

Clinical decision support

Treatment insights, disease modelling and treatment-response prediction; 200+ personalised reports delivered.

Scientific content & FAIR health

Evidence-based medical writing, knowledge portals, patient education and interoperable data workflows.

PLATFORMS & TECHNICAL ASSETS

Coremine Platform	Modular platform behind Coremine Medical and the Coremine Pathways and Oncology tools: integrated knowledge bases and literature mining rendered as intuitive visual networks.
Data-to-peptide pipeline	Computational pipelines translating patient genomic data into candidate peptides for personalised, precision immunotherapy.
AI development framework	Biomedical model training with neural networks and autoencoders, LLM fine-tuning for domain-specific medical tasks, and knowledge-grounded AI workflows.

Horizon Europe Cluster Health 2027: calls we target

HORIZON-HLTH-2027

STAYHLTH-01 Destination 1	Disabilities through the life course, independent living and inclusion **Data & digital partner**	**CARE-02** Destination 4	Personalised approaches to reduce adverse drug reactions from multiple medications **AI work-package lead**
DISEASE-10 Destination 3	Chronic non-communicable diseases in children and young people (GACD) **Data & analytics partner**	**TOOL-01** Destination 5 Two-stage	AI-based predictive biomarkers of progression and treatment response in NCDs **AI work-package lead**
DISEASE-01 Destination 3 Two-stage	Innovative healthcare interventions for non-communicable diseases **AI work-package lead**	**TOOL-04** Destination 5	Virtual human twins for integrated clinical decision support **VHT modelling partner**
DISEASE-14 Destination 3 Two-stage	Clinical trials for innovative interventions in neurodegenerative diseases **Trial analytics partner**	**TOOL-08** Destination 5	Next generation of frontier AI models for healthcare **LLM & knowledge partner**

FOCUS AREAS

Precision oncology · Cancer & autoimmune diseases · Immunology · Neuroscience & mental health · Metabolic & cardiovascular health · Infectious disease & AMR · Health literacy · Climate & health (emerging)

RECENT FUNDING SUCCESS

HARMONIA

EP PerMed JTC2026 · Selected for funding

Personalised prediction of cardiovascular and kidney complications in MASLD, using molecular and clinical data, AI and digital-twin approaches.

SELECTED ACTIVITIES

Hjernesvulstportalen (2025) — brain-cancer patient knowledge portal for health literacy, supported by Stiftelsen Dam.

Coremine Vitae Project (RCN, 2021–2024) — personalised treatment options for patients with cancer.

TRACK RECORD

Coremine Vitae and PubGene heritage

2026–	**HARMONIA · EP PerMed**	AI and digital twins for complications in MASLD
2022–2025	**ANTISeptic · Eurostars**	Mass-spectrometry detection of antimicrobial resistance
2021–2024	**Pathobody · Eurostars**	Proteogenomic antibody development pipeline
2016–2020	**Glioma Strategies · Eurostars**	Brain-cancer bioinformatics and phosphoproteomics
2016–2018	**Precision Cancer Medicine Services · Eurostars**	Coordinator — precision oncology services and molecular insights
2012–2015	**GenomeMiner · RCN**	Personalised oncology software
2004–2008	**DIAMONDS · EU FP6**	Systems biology and data integration

Let's collaborate

We welcome academic, clinical and industry partners seeking AI and bioinformatics work packages, data harmonisation, biomarker analytics, predictive modelling, virtual human twins and FAIR digital-health solutions.

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