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

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 and model development.

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.

What we bring to a cell & gene therapy consortium

EP PerMed JTC2027 · CGT4PM

Patient stratification — multi-omics and AI to select the patients most likely to benefit from a CGT.

Response & safety prediction — predictive models linking clinical and molecular data.

FAIR data work packages — harmonisation, interoperable workflows and data management.

Target & peptide design — data-to-peptide pipeline for personalised immunotherapy and nucleic-acid approaches.

Evidence & knowledge mining — literature and network analysis to support rationale and positioning.

Patient engagement — health-literacy content and patient-facing communication.

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.

GLIO-ODYSSEY (Horizon Cancer Mission, submitted 2026) — multimodal virtual human twins for adult glioblastoma.

TRACK RECORD

Coremine Vitae and PubGene heritage

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
2006–2009	**MEMORIES · EU**	Audio semantic indexing for information retrieval
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 and FAIR digital-health solutions.

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