

Congreso Nacional de Mejora Genética de Plantas XII

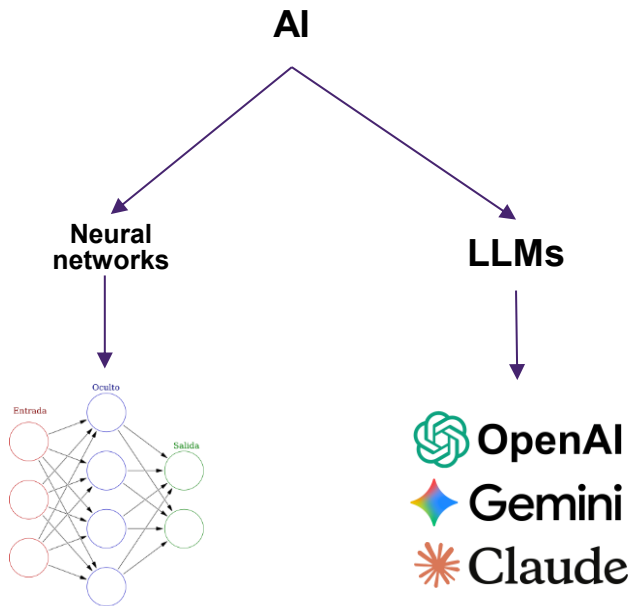
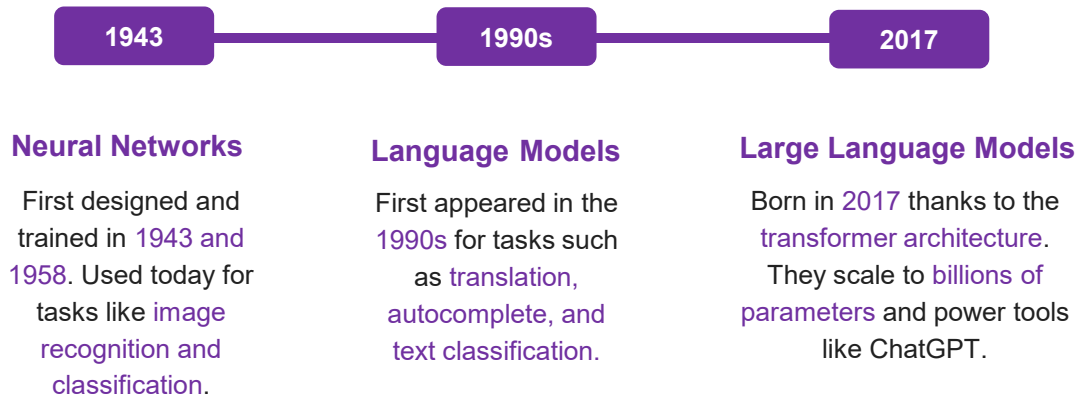
Agentic AI for Plant Genomics

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29 de septiembre de 2026

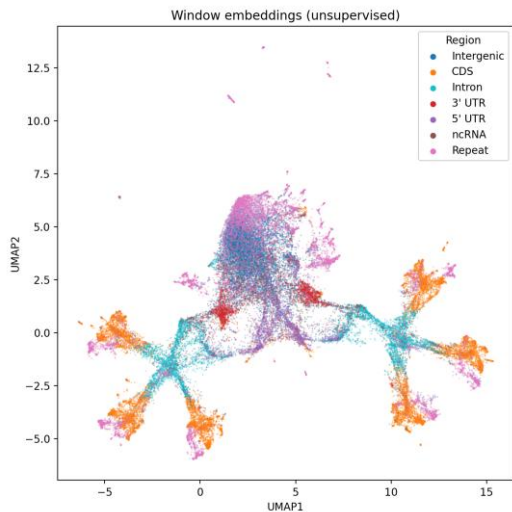


What do we mean by AI?



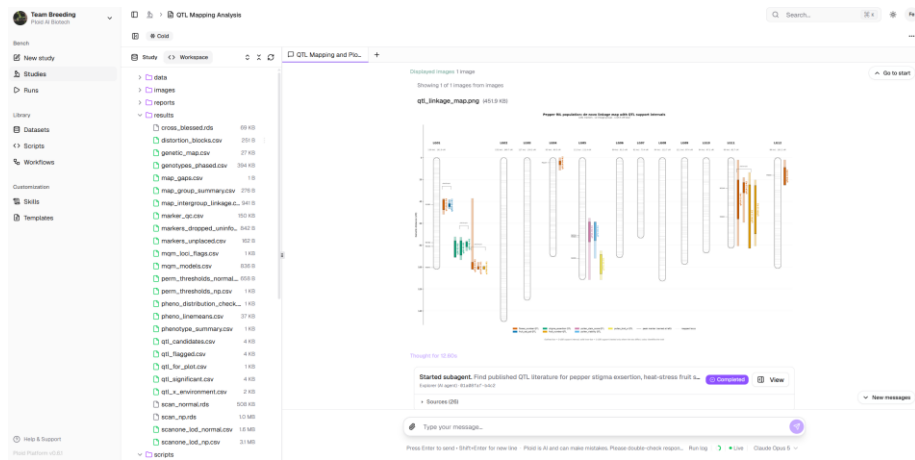
AI is not a single technology but a **family of techniques** evolving for over 80 years.

Ploid works on both lines – Models and Agents



Ploid G – A model for genomic discovery

A model to predict **variant effect**, putative gene functionality and **long-range interactions**



Ploid Agent – Bioinformatics and data analysis

An accessible platform so researchers can do **replicable analysis** without having to code

Ploid Agent – Bioinformatics made easy

Accessible

No cluster - Web - Conversational

Replicable

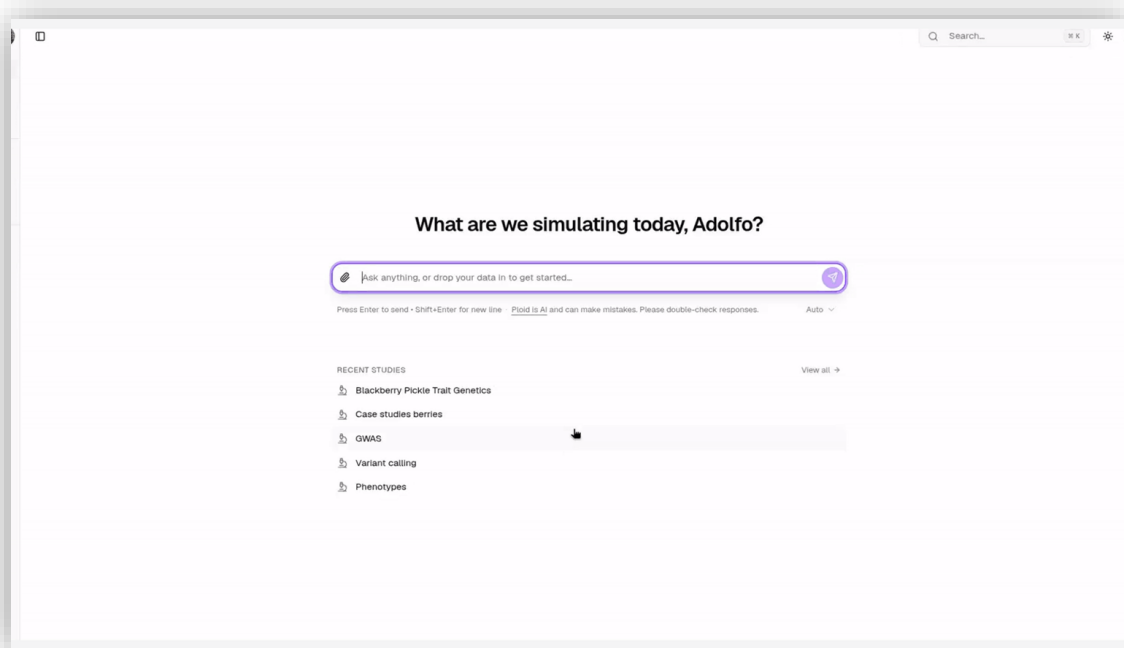
Workflows - Logs - Traces

Collaborative

Team review - Shareable

Secure

GDPR - ISO 27001



Ploid Models– Ploid G, our first genomic model

Optimal size - 212M

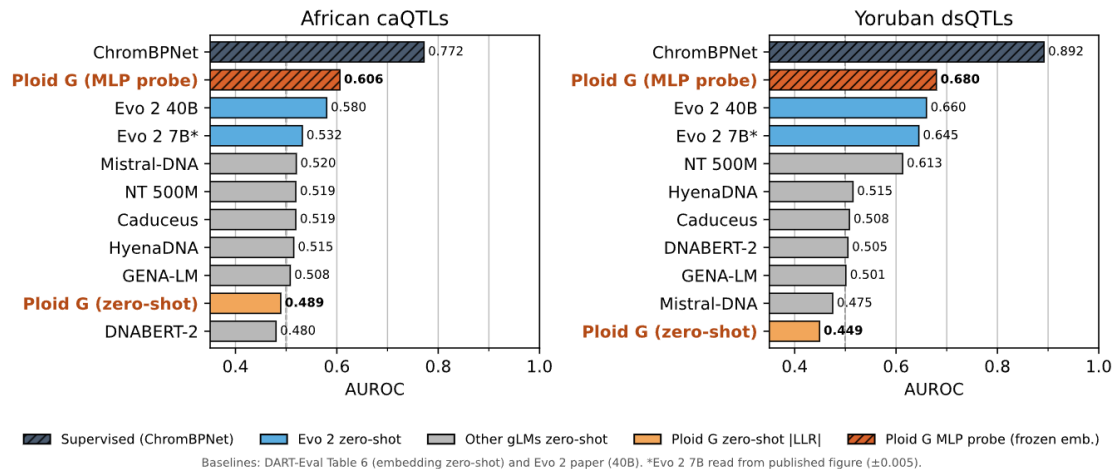
Forward runs in commercial
GPUs

Long range

Up to one mega base

Multi-species

Trained on plant, animal, bacteria
and virus data



Ploid People – A team to accelerate research



Adolfo Gastalver-Rubio
Co-Founder & CEO

Ex-BCG
Computer scientist and electrical engineer
PhD candidate in electrical engineering



Federico Jurado-Ruiz
Co-Founder & CTO

Biologist & Bioinformatician
PhD in plant science and biotechnology



Damien Noel
Senior Software Engineer

Computer scientist and
full-stack engineer



Victor Garcia Reinoso
GTM Strategy & BD

Biologist, biotechnologist and
business administration



Lorenzo Modica
Bioinformatician

Software engineer and
bioinformatician



Maria Daire
Marketing Specialist

Business and Commerce,
MBA



Felipe Pérez
Senior bioinformatician

Bioinformatician
PhD in plant science and
biotechnology