

Team: Prima Mente

Project: PARTHENON: Platform for multi-Agent Reasoning and Therapeutic Hypotheses Evaluation using Networks of Neurological virtual cells

Stage: Prototype blueprint development

Project Summary

PARTHENON is a multi-agent reasoning platform of virtual neurons, microglia, and astrocytes for in silico testing of therapeutic hypotheses. Exposed via API within ADDI, it lets researchers fine-tune cell models by genotype and mutational context, assemble cellular systems and complex tissues, and run perturbation experiments. Integrated data pipelines convert ADDI datasets into scalable, multivariate models, amplifying insight and accelerating disease mechanism evaluation.

Team Members

Donal Byrne, Maxime Derisbourg, Jay Ganbat, Luca Giacomoni, Jonathan Hoover, Carolina Machado, Hannah Madan, Ravi Solanki, Pouya Yanki

Organizations

PRIMA MENTE

Presenters



Ravi Solanki

Co-Founder and CEO,
Prima Mente



Jonathan Hoover

Research Scientist, Prima
Mente