

MAYPOP LABS

Open Drug Discovery for Healthy Longevity

MISSION

Maypop Labs is a volunteer driven, nonprofit initiative building an open-source, multiomics platform that identifies rejuvenation targets for humans and companion animals. We unite computational biologists, clinicians, citizen scientists, and pet owners to accelerate affordable lifespan extending therapeutics through radical transparency and community governance.

SCIENTIFIC PILLARS

- Multiomics integration across transcriptomics, proteomics, and metabolomics
- Gene regulation network modeling
- *In silico* perturbation engine to rank single and dual gene interventions
- Open wet lab network to validate top targets in cells and organoids

YEAR 1 MILESTONES

- Launch MVP workflow and public landing site
- Analyze 3 pilot datasets (e.g. aging skin, endothelial cells, keratinocytes)
- Publish first open target report
- Onboard 10 active contributors and 3 wet lab partners
- Secure \$50-100k seed funding

GOVERNANCE and LICENSING

Roadmap toward a nonprofit foundation with a community elected stewardship council. Code released under

Apache 2.0; data and docs under **CC.BY 4.0**.

GET INVOLVED

- Join the closed preview cohort (<1 h/week)
- Donate omics datasets
- Propose wet lab validation collaborations
- Sponsor microgrants for volunteer bounties

CONTACT

Email: neilcopes@gmail.com | **GitHub:** github.com/maypop-labs