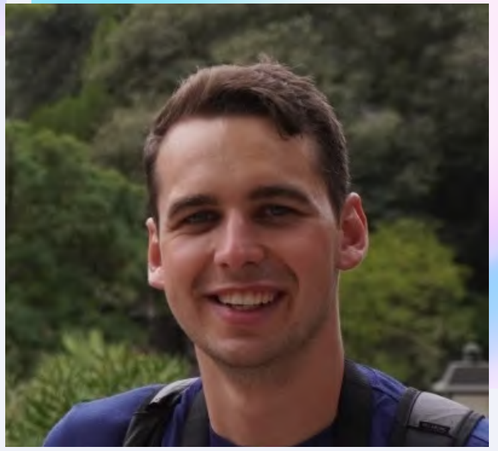
Meet Chain of Custody

Dr. Andrew Newman

NEURONAL GENOMICS



Nico Trummer

BIOINFORMATICS
ONCOLOGY

Filippo Conforto

PH.D. CANDIDATE
BIOPHYSICS

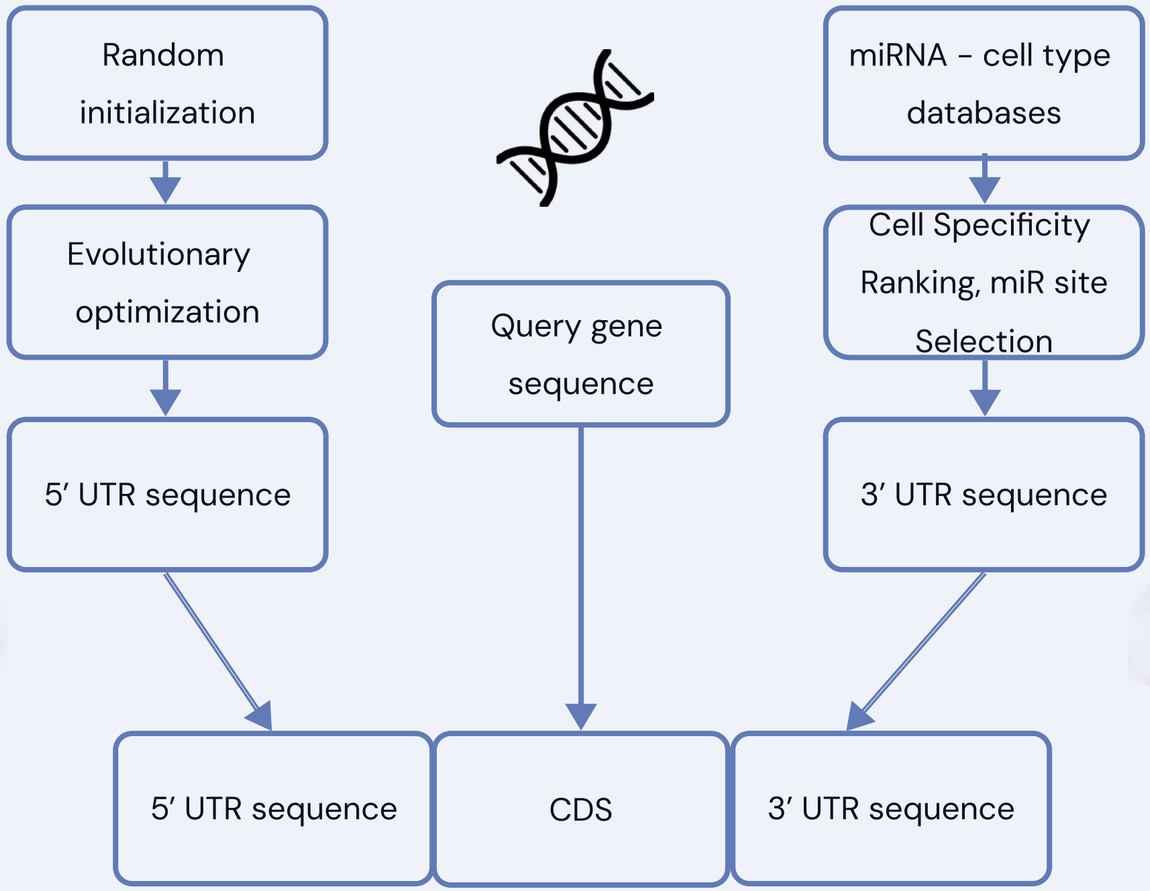
Selin Abdullazade

SOFTWARE

Dr. Frida Arrey

IMMUNOLOGIST

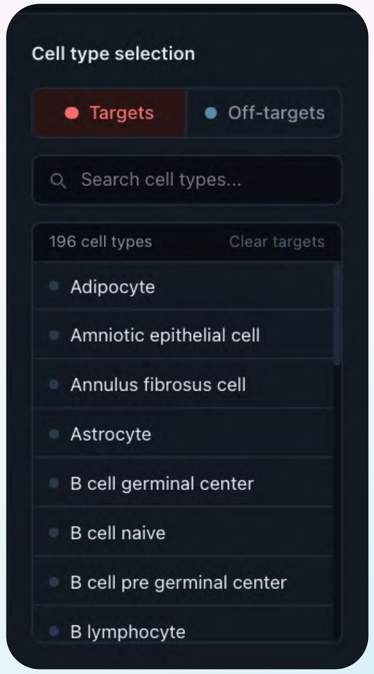
Technical Overview

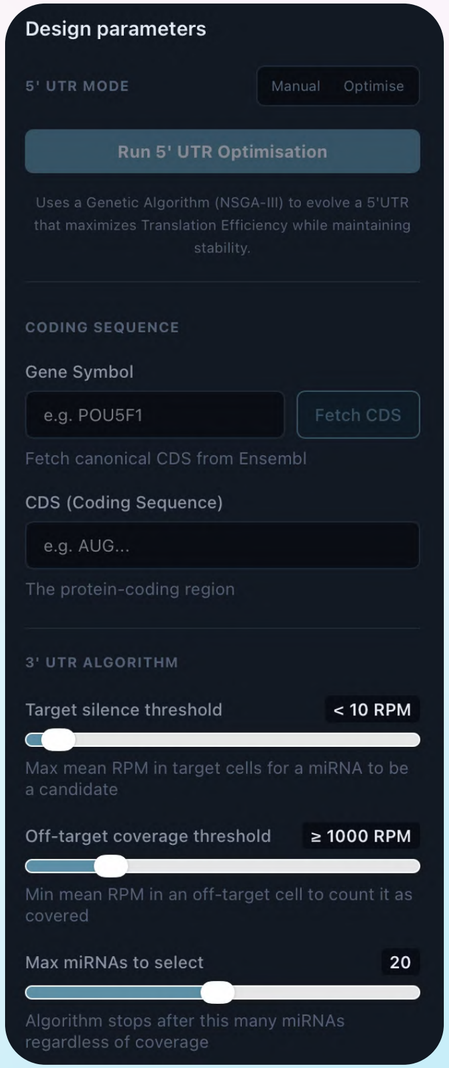


How it works: Dashboard

adjust menu

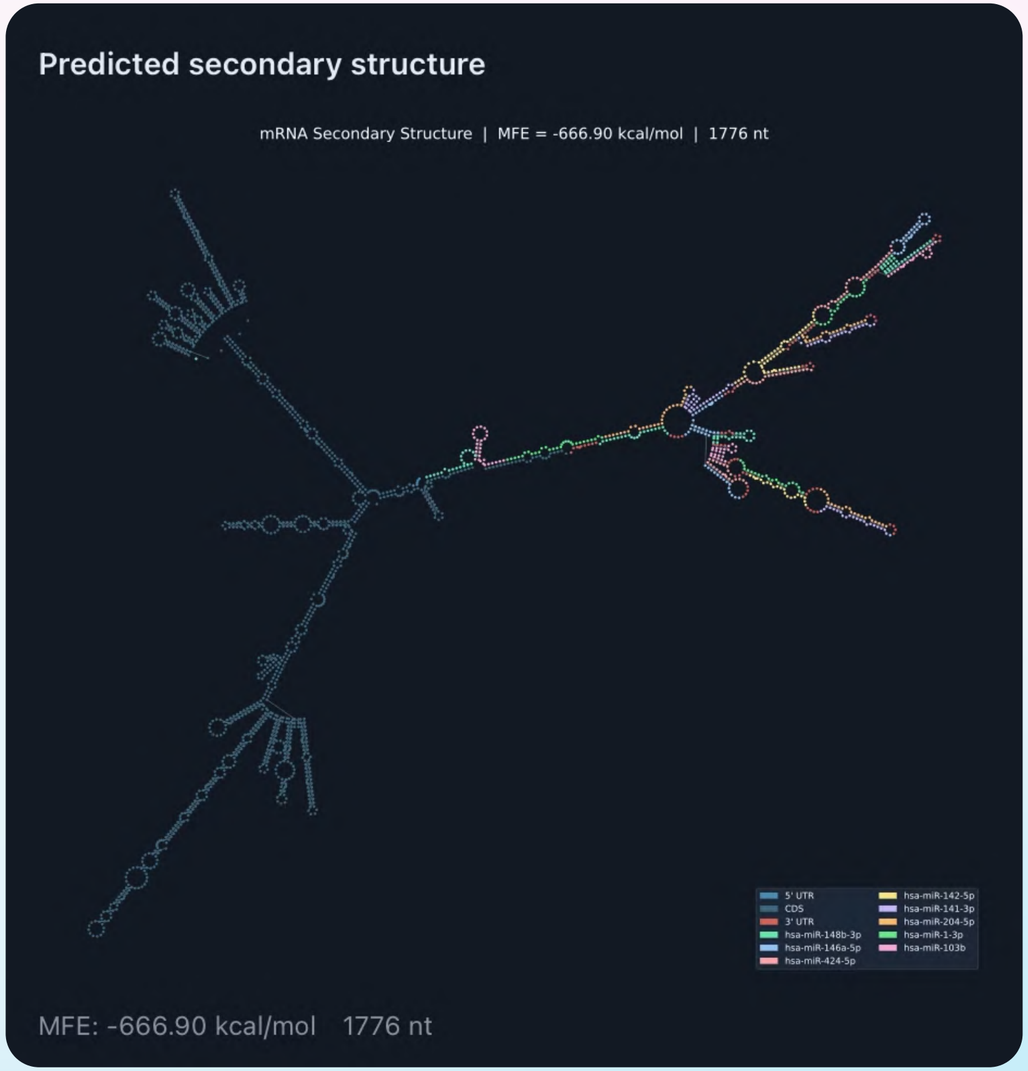
then visualise...



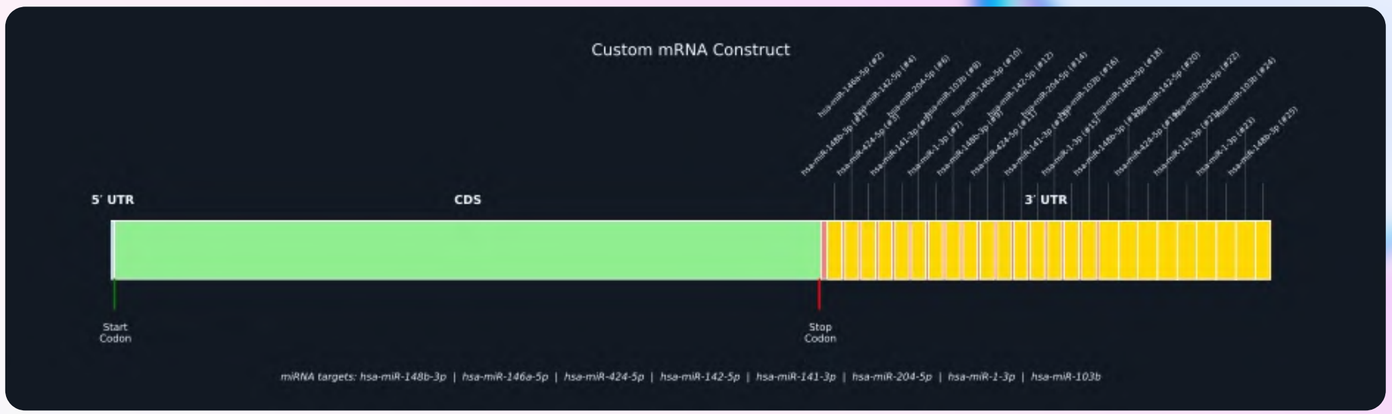


Try Pitch

How it works: Results



Secondary structure



Linear binding site map

Complete mRNA sequence

Try Pitch

Precision Gene Delivery

LEVERAGING MULTIPLEX MIRNA LOGIC

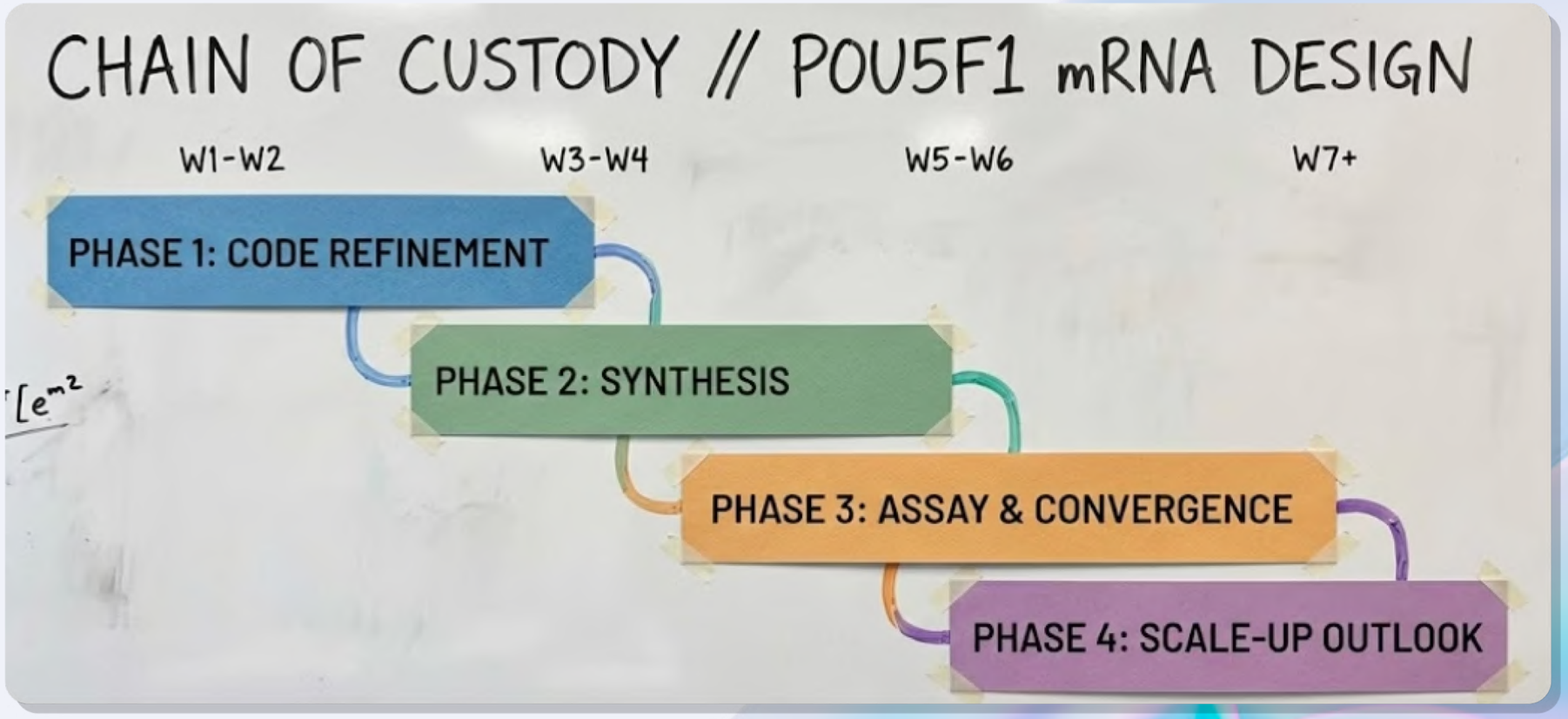
- Our platform can generate mRNAs for cell-type specific translation with minimal off-target effects enabling:

1) Multiplex Gene therapies: one shot targeting of multiple genes across multiple celltypes.

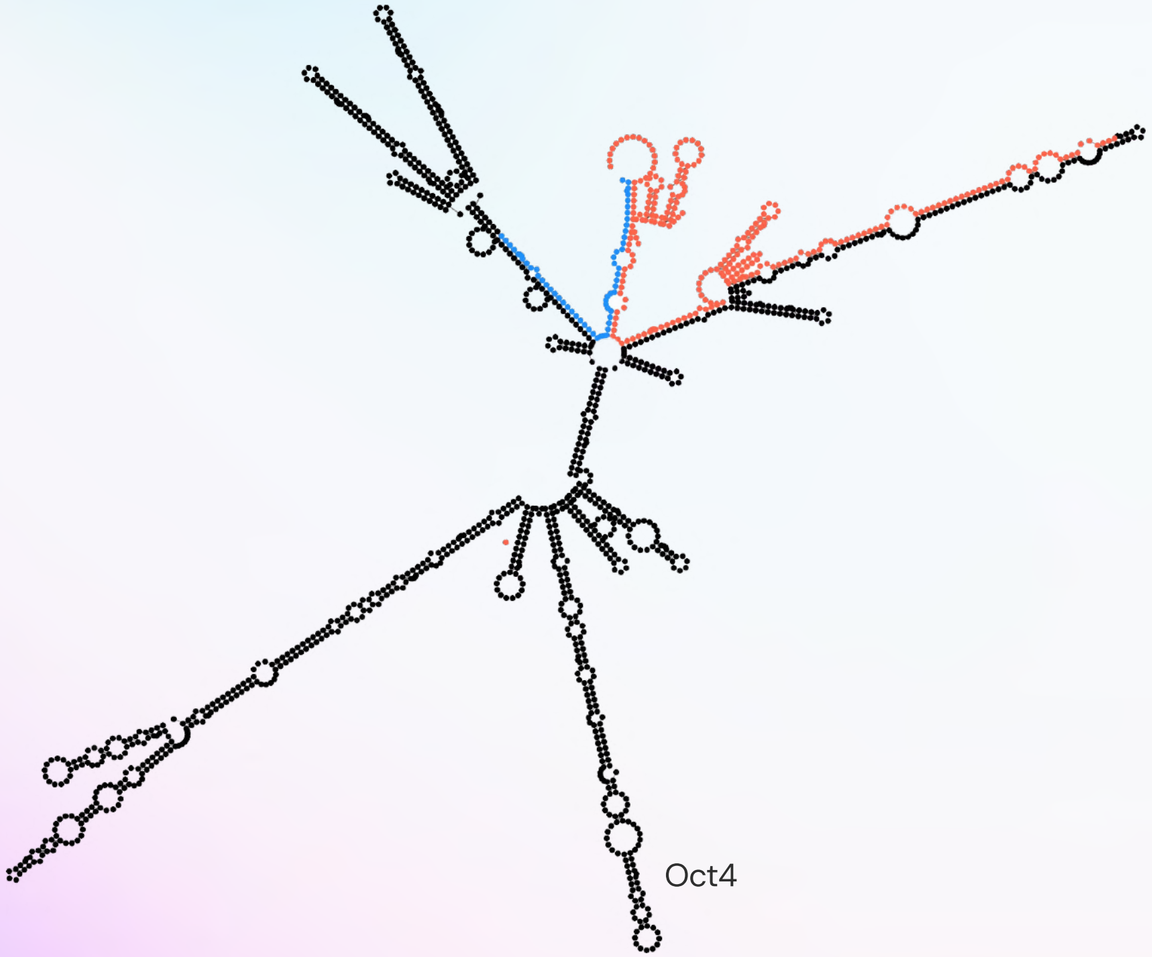
2) Dosage control: partial (age) reprogramming using OSKM* rejuvenates cell types with differing efficiency. Tissue specific translation enables optimization of reprogramming rates by tissue type, abolishing the risk of tumorigenesis.

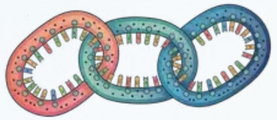
Longevity tech industry...

Potential to scale



References





1 Kozomara A et al, 2019, Nucleic Acids Res

2 Arun H Patil et al, A curated human cellular microRNAome based on 196 primary cell types, 2022, GigaScience

3 McGeary SE et al, The biochemical basis of microRNA targeting efficacy, 2019, Science

**Singh & Newman 2019, Epigenetics & Chromatin*

Browder et al., 2022, Nature Aging

Pitch

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