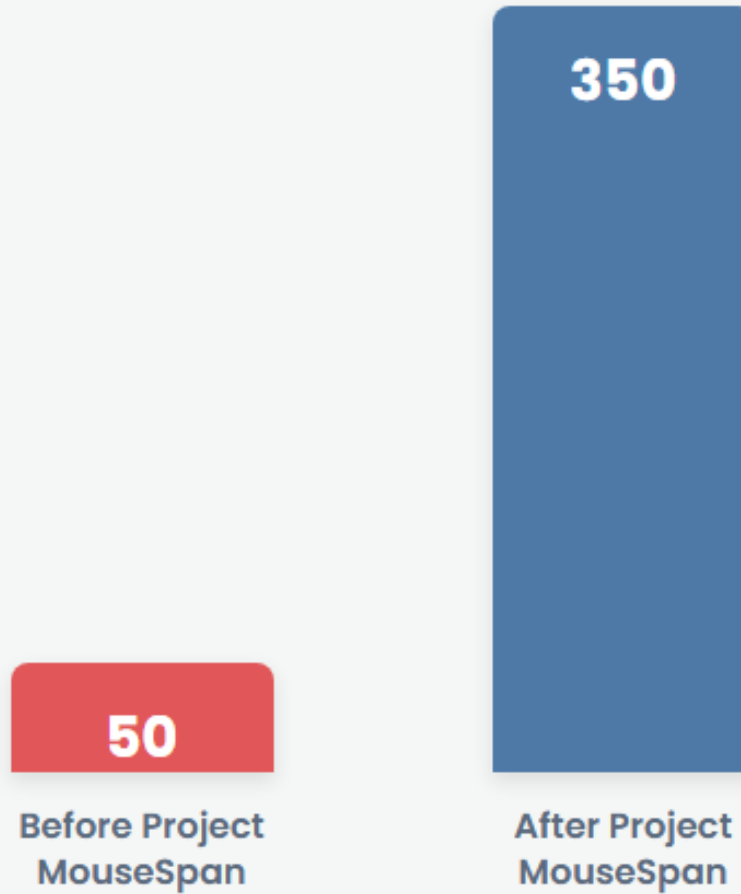


**Mission: Break the
'Lifespan Increase'
World Record in adult
mice by 2.5X, implement
in humans immediately**



Number of mouse lifespan studies in the world



**We can't solve human ageing if we can't even make mice
live to 2000 days old**


(currently approx. 1200 days is the record)

Number of combo-therapy studies to date: only 10.

Yet combo studies outperform single interventions

Combination outperforms either alone	% gain in max lifespan vs monotherapy*
3 x anti-growth mutations + CRON	+21% to + 51%
6 Telomerase gene therapies vs 1	+20%
6 Follistatin gene therapies vs 1	+20%
CRON + Growth Hormone mutations	+20%
20 x Placental Stem Cell IVs vs 1	+25%
20 x baby plasma exosome IVs vs 1	+20%
Rapa + Acarbose vs rapa only	+10%
Rapa + Metformin vs rapa only	+10%
Rapa + Trametinib vs rapa only	+10%
NAC + Glycine vs glycine only	+20%

Current record in already adult mice = +41%* max lifespan
Target: 100% avg and max lifespan increase
= 1600 days avg and 1750 days max lifespan target (age 160 human avg equivalent)
Nobel Prize achievement? Viral global news?

Mouse Lifespan Leaderboard				
Hover over an Intervention name for more details.				
#	INTERVENTION	HUMAN AGE EQUIVALENT START	MAX LIFESPAN INCREASE (90TH PERCENTILE SURVIVAL) ⓘ	AVG LIFESPAN INCREASE (50TH CENTILE SURVIVAL)
1	 Caloric restriction 25% human equivalent	45	54%	62%
2	 6 x Telomerase Gene Therapy IV (CMV) Read Study	55	41%	41%
3	 20 x PDA-001 Placental Stem Cells IV	30	32%	21%
4	 6 x Follistatin Gene Therapy IV	55	29%	33%
5	 NAC + Glycine 1.2g each	46	25%	24%
6	 9 mg Rapamycin/wk + up to 600 mg acarbose/d	28	24%	37%

Leadership



Dr. Oliver Zolman

Lead Investigator

Creator of [Longevity School](#), Project
Blueprint, and the field of
Competitive Rejuvenation in 2018

Roadmap

\$13.4M USD

For Profit (funding sought)

10,000 mice

age 70 human equivalent

300 combinations

of therapies

Commercialise immediately

Patent the cocktail, license the data, commercialise immediately to wealthy early adopters (B2C/B2Clinician), M&A



Revenue

1. **Patents**
2. **Sell direct to consumer + clinicians + pet rejuvenation**
3. **World's largest mouse lifespan ageing dataset for pharma AI**
4. **R&D Credits/follow-on grants**
5. **Pharma M&A**
6. **Run mouse lifespan trials as a service (LaaS) 10x cost reduction, livestream data**



Spending in 3 years

- **10,000 mice + tests approx. \$5-6M**
- **Therapies manufacturing: approx. \$5-6M (gene and cell highest cost)**
- **Marketing, staff, patents: approx. \$1.3M**
- **Development of LaaS (lifespan as a service) lab
10x cheaper than current mouse lifespan labs:
approx. \$2M**



Corporation

MouseSpan to be registered as a Delaware SPV



Example of one of our gene therapies discovered via mouse lifespan work

Single IV injection TripleHelix AAV9 Follistatin Gene Therapy

+ 7.2 kg muscle
(+15.8 lbs)
(+10% muscle as % of
total body mass)
(DEXA)

Note: my frame is small
for my organs (?) hence
the bowed appearance
(?pectus carinatum)

Body weights

Before: 78.5kg (173 lbs)
After: 78.5 kg (173 lbs)

**No TRT/other
confounds**

Age 60



Aug 2022

Work out 2x/wk
whole life, sore

Age 61



Aug 2023

Infinite(?) workout,
no soreness/fatigue

Feb 2023
Follistatin

Roadmap

1500 mice ready to go (aged 50-80 human equivalent)

3 – 6 month lead time on another **1000 mice** (aged 50-80 human equivalent)

6 – 12 month lead time on further **1000 mice** (same age range)

12 – 15 month lead time + **1000 mice**

= **4500 mice** approx.

At **15 months**, if in house breeding is started ASAP, we will have **1000 mice per month** available from month 15 onwards



Urgent first 40 studies to test in age 50+ mice

(human equivalent age)



Therapy	Predicted effect	Commercialisability
Gene therapies		
1 x custom GHRH KO	25%	1 year+
1 x custom Prop-1 df	25%	1 year+
6 x custom HTERT AAV9	40%	Immediate
1 x custom PAPP-A KO	25%	1 year+
1 x APOE2 from APOE4 (Alzheimer's)	25% (in APOE4 mice)	1 year+
6 x custom Follistatin AAV9	30%	Immediate
1 x custom FGF21	25%	Immediate
1 x custom PGC1alpha	25%	Immediate
1 x custom SIRT6	25%	Immediate
6 x custom Klotho IV only	30%	Immediate
1 x custom Klotho IV only	20%	Immediate
Other monotherapies		
NAC + Glycine multi-dose	25%	Immediate
Ergothioneine multi-dose	10%	Immediate
20 x Placental Exosomes IVs	20%	Immediate
20 x Placental Stem Cell IVs	20%	Immediate
Thymus Organ Replacement (Ectopic) Age 0	20%	3 years +
1 Kidney replacement with Age 0 Kidney	20%	3 years +
Initial Combos		
Supplement combo (SC)	50%	Immediate
Drug combo (gender specific) (DC)	50%	Immediate
DC + Each Gene Therapy (10 studies)	75%	Mostly Immediate
SC + Each Gene Therapy (10 studies)	75%	Mostly Immediate
All 10 gene therapies	100%	Mostly Immediate



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