GENFLOW BIOSCIENCES (GENF.L)

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CORPORATE PRESENTATION

JANUARY 2022

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EXECUTIVE SUMMARY

DISRUPTIVE ANTI-AGEING DRUG

- Developing transformative gene therapies targeting the upstream biology of ageing
- GF-1002 (the Company's lead candidate) extensive preclinical data suggests extension of life and health span

DIVERSIFIED PLAN

- The company is undertaking pre-clinical trials following admission
- The company intends to develop its lead compound for the treatment of Werner Syndrome (WS) patients (an accelerated ageing disease)
- Risk is mitigated with an additional focus on the veterinary program

EXPERIENCED TEAM

- Exceptional team with decades of experience in the pharmaceutical and health industries
- First rate academics from top universities and industry leaders

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ABOUT THE COMPANY

Genflow Biosciences Plc is a UK based biotech company listed on London Stock Exchange (GENF.L) with R&D facilities in Belgium and an office in Cambridge, MA, driven by one mission: to deliver medicines that potentially halt, slow, or reverse the ageing process in humans and dogs.

Genflow's lead compound, GF-1002, works through a centenarian variant (a variant gene found in people living to 100 years or more) of the SIRT6 gene and has yielded promising preclinical results.

Managed by an experienced team with decades of experience in the pharmaceutical and biotech industries, the company is optimistic that development programs will continue at pace in the next 24 months.

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AGEING

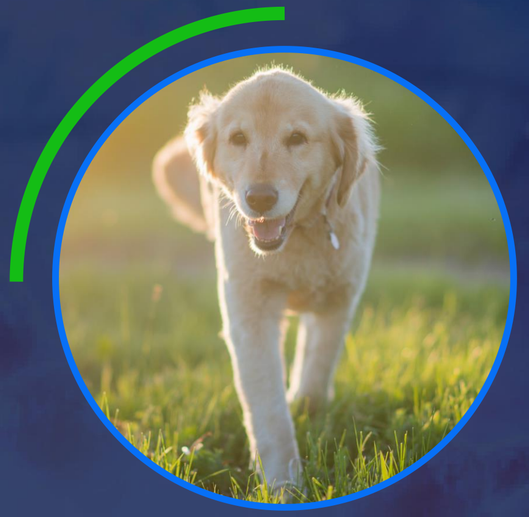
Age related diseases are the biggest health burden we face

Genflow treats ageing as the underlying risk factor for these diseases

Given the key role of genes in determining how we age Genflow focuses on gene therapeutics

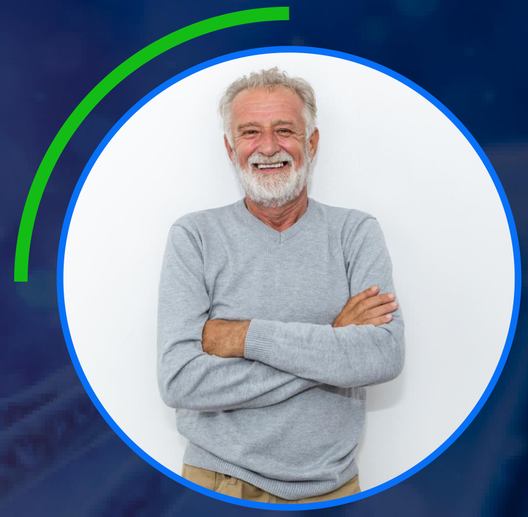
2 years

life expectancy



10-13 years

life expectancy



88 years*

life expectancy

*expected LE in relation to baby boys born in the UK in 2018

Source: Morgan AE, Davies TJ, Mc Auley MT. The role of DNA methylation in ageing and cancer. Proc Nutr Soc. 2018 Nov;77(4):412-422. doi: 10.1017/S0029665118000150. Epub 2018 Apr 30. PMID: 29708096

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GENE REGULATION IN AGEING

Ageing is a function of overworked epigenetic regulator genes unable to respond to cellular DNA damage.

Many genes regulate ageing: we are focusing on the SIRT6 gene.

Sirtuin 6 Gene (SIRT6)

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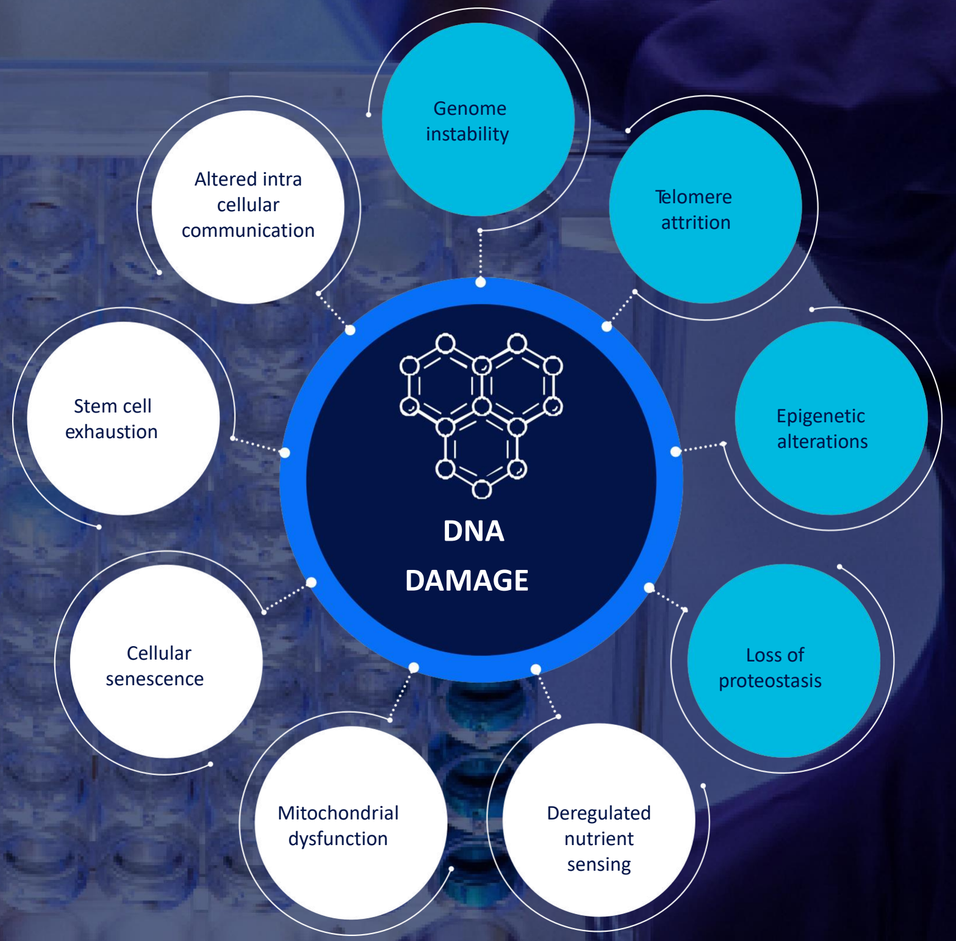
Ageing is driven by 9 interlinked Hallmarks, all rooted in DNA damage. Targeting one individual factor is unlikely to be effective.

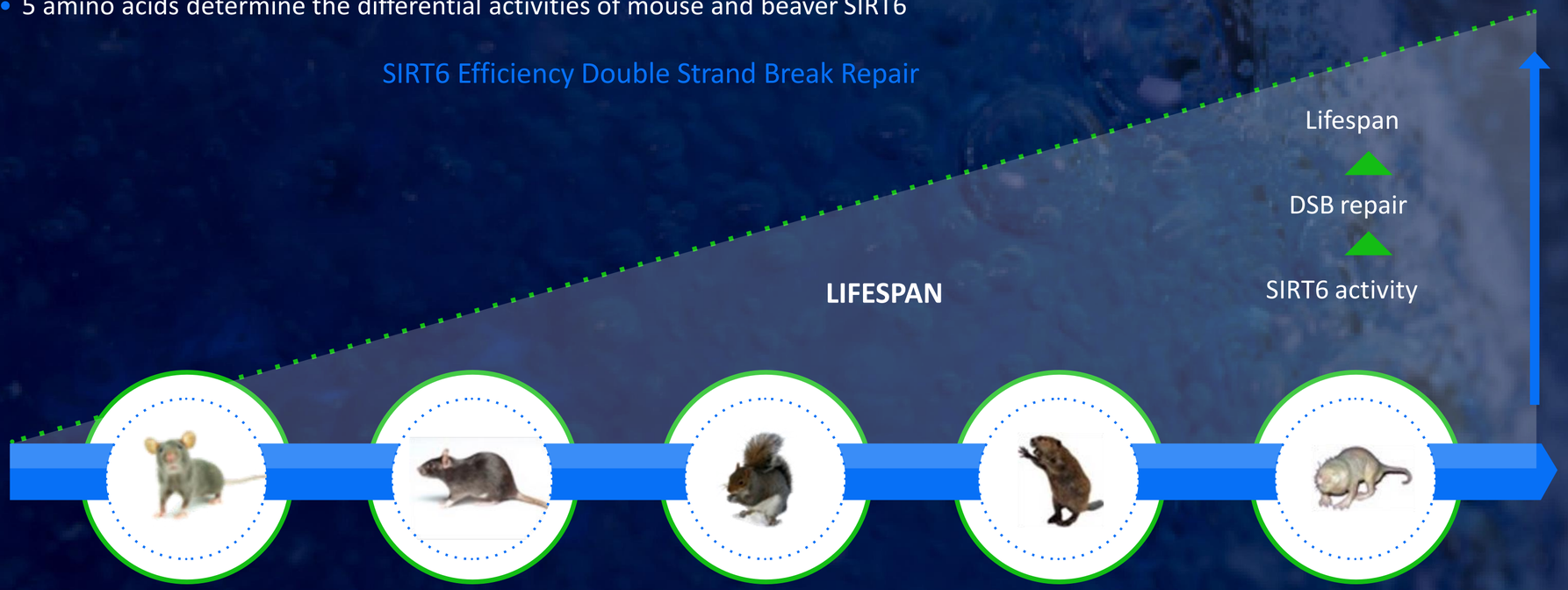


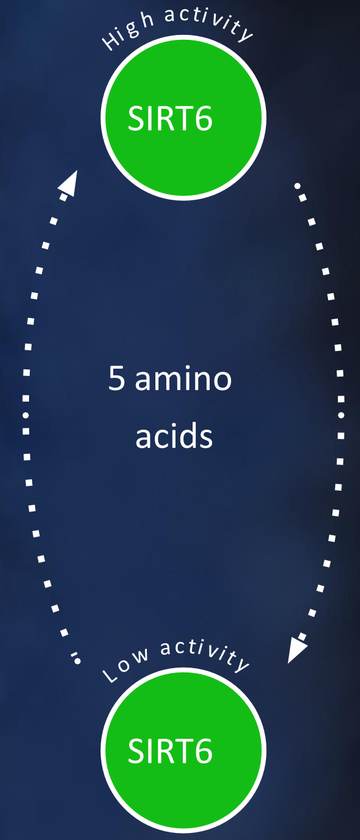
Sources:
R. White. J. Vijg. Do DNA DSB drive Ageing? Molecular Cell 63, September 1, 2016
Mao, Z et al SIRT6 promotes DNA repair under stress by activating PARP1. Science 332, 2011,1443-1446
F. Wang, CH Chan, K. Chen, et al. Deacetylation of FOXO3 by SIRT1 or SIRT2 leads to Skp2-mediated FOXO3 ubiquitination and degradation. Oncogenes 31, no. 12. March 2012: 1546-57

SIRT6 – REPAIRING DNA

SIRT6 gene/protein repairs DNA damage (especially double strand breaks (DSB)) and prevents senescence of our cells

- SIRT6 gene codes for SIRT6 protein
- Stronger SIRT6: Longer lifespan
- DSB repair coevolves with maximum lifespan (MLS) in rodents
- The activity of SIRT6 in stimulating DSB repair coevolves with MLS in rodents
- 5 amino acids determine the differential activities of mouse and beaver SIRT6





Source: Tian et al., 2019, Cell 177, 622–638 April 18, 2019

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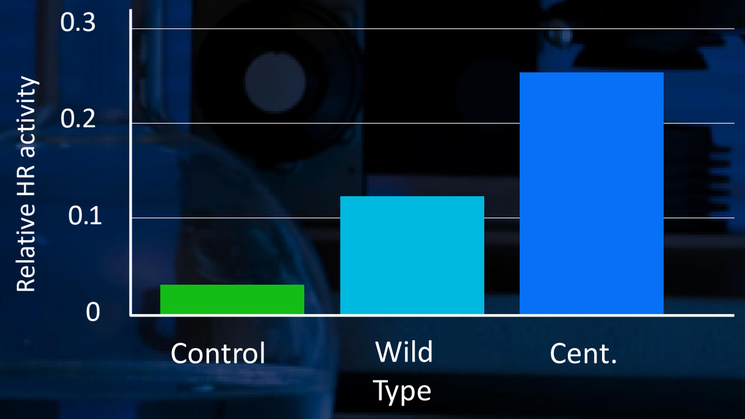
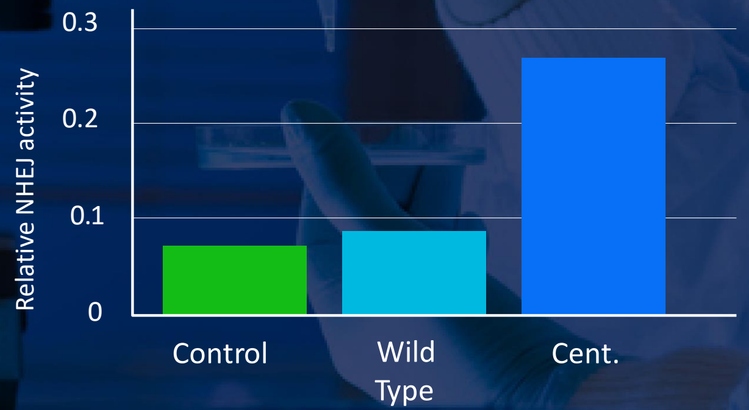
FOCUS ON CENTENARIAN SIRT6

SIRT6 centenarian variant gene has more efficient DNA repair properties

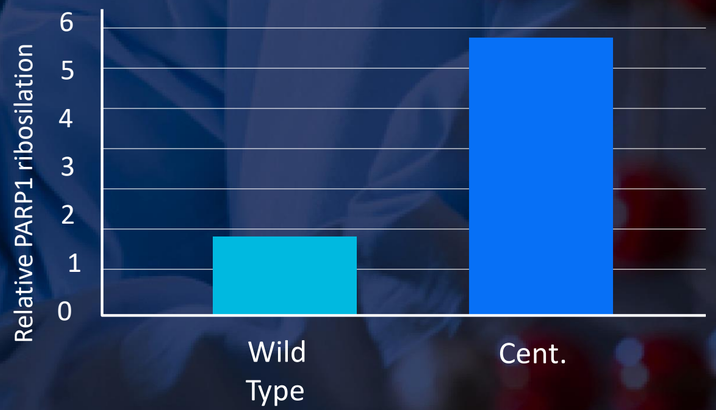
Homologous Recombination Repair



Non Homologous End Joining Repair



Relative PARP1 Ribosilation



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ACTING UPSTREAM

As organisms become more sophisticated, the biology of ageing becomes more complex.

This makes it more difficult to solve the problem, and increases the importance of acting early in managing ageing.

SIRT6 has been shown to extend the lifespan of virtually every organism on which it has been tested.

Mouse

Lifespan x 1.35

Sources: P. Oberdoerffer, S. Michan, M. McVay, et al. DNA damage-induced alterations in chromatin contribute to genomic integrity and age- related changes in gene expression. Cell 135. no. 5. Nov. 2008. 907-18 M. De Cecco, S. W. Criscione et al. Genomes of replicatively senescent cells undergo global epigenetic changes leading to gene silencing and activation of transposable elements. Ageing Cell 12. no. 2 April 2013:247-56

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INTELLECTUAL PROPERTY

EFS ID	1-21069	43268050
Application Number	US 63/188,573	US 63/222,557
Title of Invention	Variants of SIRT6 for use in preventing and/or treating age-related diseases	Method of in vivo administration of the coding sequence of the SIRT6 gene via Adeno-Associated-Virus
First Named Inventor	Vera Gorbunova, Seluanov and Suh	Eric Leire
Receipt Date	May 14, 2021	July 16, 2021
Ownership	Worldwide Exclusive license from University Rochester New York / Columbia University / Albert Einstein College of medicine	Genflow Biosciences SRL

Applications are being made to the USPTO to patent Genflow's proprietary technology.

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DELIVERY SYSTEM: SAFE AND COST-EFFECTIVE

The patent-pending technology has already been tested in several preclinical studies

01

Non-integrating, no risk of insertional oncogenesis

02

Non-replicating, safe transient expression

03

Reduced potential for immunogenicity

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GF-1002: EXPECTED MODE OF ADMINISTRATION

The infusion has to be repeated

Patient friendly administration: Two hour intravenous infusion administered on an out-patient basis in an infusion clinic

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VETERINARY PROGRAM

Genflow is developing the same delivery system for dogs. This has several advantages.

Dogs must be used as part of development for the human program

Short-term possibility for out-licensing following completion of the preclinical studies in dogs

Results will be obtained at no extra cost to the main program

Owners are interested in prolonged health and life extension for their pets

Demand is adequate to justify a separate program

The regulatory hurdle is much lower than for the human program

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PRODUCT PIPELINE

Pipeline status

Collaborations

Basic Research	Development	Preclinical Trials	Clinical Trials

Human	**GF-1002** –Suspension of AAV vector for intravenous infusion, obtaining cDNA of centenarian variant of SIRT6		Phase I/II Werner Syndrome
Human	Topical delivery of centenarian SIRT6 to the dermal fibroblasts		Phase I/II Werner Syndrome
Animal	Non-Human Pipeline Anti-ageing for Veterinary use (dogs)		Pivotal trial anti-ageing for dogs with vet partner

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KEY VALUE CREATING MILESTONES

	Year 1	Year 2
Pre-Clinical	• EMA Scientific Advice and INTERACT meetings: buy-in to regulatory route • Pre-IND meeting • Support for patent filing (provisional)	• IMPD and IND meeting • Strengthen pipeline
CMC	• Strengthen patent estate (AAVs) • GMP clinical lot	• Prepare large scale commercial production for vet application • Partnership with veterinary company
Clinical	• Orphan Drug Status WS and Idiopathic Pulmonary Fibrosis (IPF) • Refine team • TPP in Human • Clinical PoC trial in dogs with ageing biomarkers	• Clinical Trial Authorization (CTA) with EMA for Phase I/II trial in Werner Syndrome

“First in Dog”

FDA, EMA, MHRA

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CELL THERAPY LANDSCAPE

COMPANY	OVERVIEW	TECHNOLOGY	HALLMARK OF AGEING FOCUSED ON	LOCATION
UNITY BIOTECHNOLOGY	Clinical stage (osteoarthritis Phase 2) public (Nasdaq) biotech	Anti-senescence (small molecules senolytic)	Senescence	USA, San Francisco, CA
Samumed	Private biotech developing therapeutics to address a range of degenerative diseases, regenerative medicine and	Regenerative medicine Stem cell and small molecules	Stem cell exhaustion	USA, San Diego, CA
BIOAGE	Private biotech developing medicines to treat ageing and ageing-related diseases	Hypoxia-inducible factor-prolyl hydroxylase (HIF-PH) inhibitor	Proteostatis	USA, Richmond, CA
FREQUENCY THERAPEUTICS	Public (Nasdaq) biotech	Small molecules to activate progenitor cells Hearing loss	Stem cell exhaustion	USA, Woburn, MA
life BIOSCIENCES	Private biotech targeting ageing	Epigenetic reprogramming; Autophagy; mitochondrial dysfunction	Mitochondrial dysfunction	USA, Boston, MA
ALKAHEST®	Private biotech developing drugs to fight age-related neurological diseases	Protein-based drugs	Proteostatis	USA, Boston, MA
REJUVENATE BIO	Private biotech developing gene therapy for dogs with mitral valve pathology.	Gene therapy	Proteostatis	USA, San Carlos, CA

BOARD OF DIRECTORS

DR. YASSINE BENDIABDALLAH

Independent Non-Executive Chair

- M Pharm, PhD, IP
- Functional Medicine Specialist
- Anticancer research scientist at the Cancer Research UK at University College London
- Various distinctions and publications in peer-reviewed academic journals

DR ERIC LEIRE MD MBA

Founder & CEO

- Eric has been involved in biotech for over 30 years
- Held senior positions including CEO of publicly traded companies
- Successes include Enochian (NASDAQ:ENOB), a gene-modified cell therapy company

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BOARD OF DIRECTORS

DR. GABRIELLE SILVER
Independent
Non-Executive Director

- Studied medicine at Bristol University and Royal Free Medical School, London
- Fellow of Faculty of Pharmaceutical Medicine
- Clinical development and commercial leadership across pharma (Eisai, BMS) and GE Healthcare
- MD/CEO of healthcare services businesses
- NED for Opiant Inc and Royal National Orthopaedic Hospital UK

PROFESSOR ANDREW SCOTT
Independent
Non-Executive Director

- Professor of Economics at London Business School
- Previously at Harvard, Oxford, and the LSE
- Founder of the Longevity Forum, member of the World Economic Forum council on Healthy Ageing

DR. PETER KING LEWIS
Independent
Non-Executive Director

- Seaman Officer and Diver in Royal Navy
- Studied medicine at St Bartholomew's Hospital, London
- Founder of KLFP Ltd and OfficeGP Ltd
- Past President of Independent Doctors Federation and Chelsea Clinical Society

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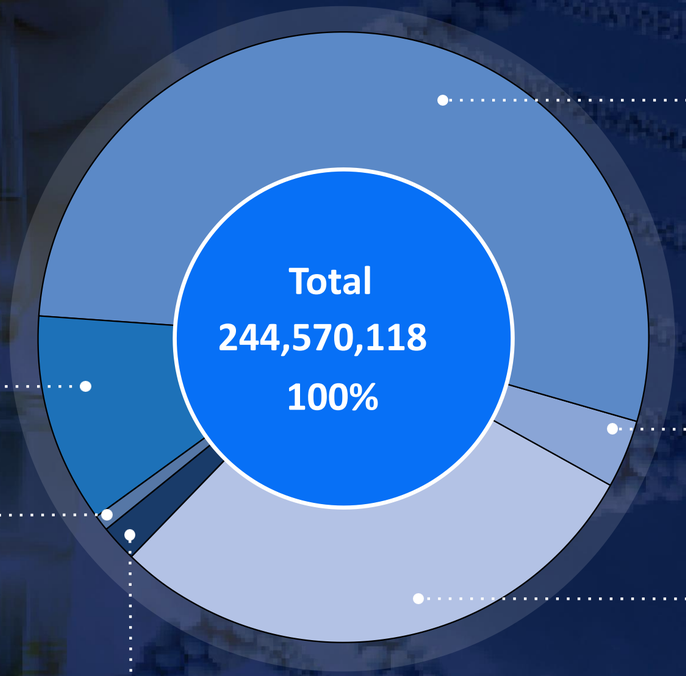
GENFLOW SHAREHOLDER STRUCTURE



Founder, Management & Board
122,100,000
49.92%

LongevityTech Fund
7,999,998
3.27%

Theseus Capital
67,200,000
27.48%

Longevity First
4,000,000
1.64%

Jim Mellon
2,500,000
1.02%

Other Shareholders
40,770,120
16.67%

As Thursday 11, November 2021

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USE OF PROCEEDS – IPO

£1 million raised to prepare the IPO.

The funds raised by IPO are planned to have a 2-year runway.

Genflow First Two Years Sources & Uses of Funds	
Total Sources of Funds:	Amount (£m)
Proceeds from IPO raise	3.0
Cost of raising capital	0.2
Listing costs	0.2
Net proceeds	2.6

Uses of IPO Funds	
GF-1002 Preclinical Studies	0.7
On-going professional fees	0.4
G&A	0.2
R&D consulting fees	0.3
Scientific Advisory Board and Board of Directors	0.7
Contingency reserve	0.3

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