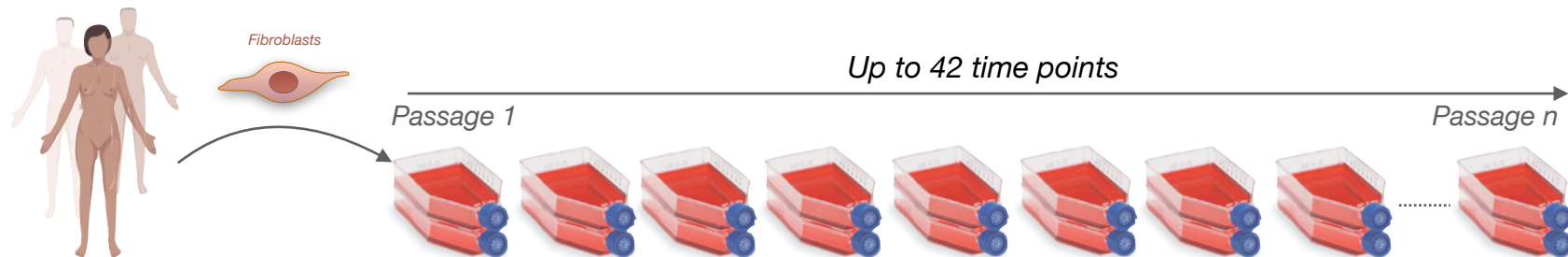
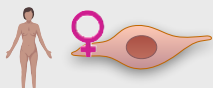


Study design




Cytology	Cell count & size	●	●	●	●	●	●	●	●
Seahorse	Metabolic rate	●			●			●	●
DNA	DNA methylation	●			●			●	●
	Telomere length	●			●			●	●
	mtDNAcn	●			●			●	●
	mtDNA deletions	●			●			●	●
	WGS	●			●			●	●
RNA	RNAseq	●		●			●		●
Secreted factors	IL6	●	●	●	●	●	●	●	●
	GDF15	●	●	●	●	●	●	●	●
	Cytokine array	●	●	●	●	●	●	●	●
	Cell-free mtDNA	●	●	●	●	●	●	●	●

Healthy control
n = 6 donors




SURF1
n=3 donors



The diagram illustrates the SURF1 gene across three human figures. The top figure is a male, the middle is a female, and the bottom is a combined figure. Each figure is accompanied by a large, stylized cell containing a nucleus and a smaller, darker nucleus, representing the SURF1 gene.

SURF1
n=3 donors



The diagram illustrates the SURF1 gene across three human figures. The top figure is a male, the middle is a female, and the bottom is a combined figure. Each figure is accompanied by a large, stylized cell containing a nucleus and a smaller, darker nucleus, representing the SURF1 gene.