Equator Therapeutics

The first drug to burn fat through natural heat production

Jonah Sinick, CEO jonah@equatortherapeutics.com

Executive Summary



The first drug to stimulate natural heat production by the body.



Activates heat production by the cell powerplant mitochondria.



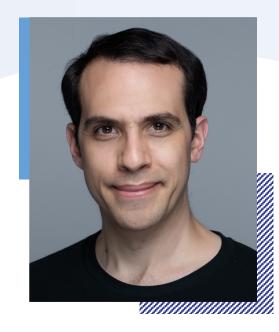
Will allow patients to burn 2lb/week & reverse obesity.



Potential to defeat epidemics of metabolic disorders: type 2 diabetes, fatty liver disease & polycystic ovary syndrome.

Equator Therapeutics

Inc. Leadership



Jonah Sinick, PHD CEO



(Formerly)



Yuriy Kirichok, PhD
Scientific Founder





Katherine Widdowson, PhD Medicinal Chemist



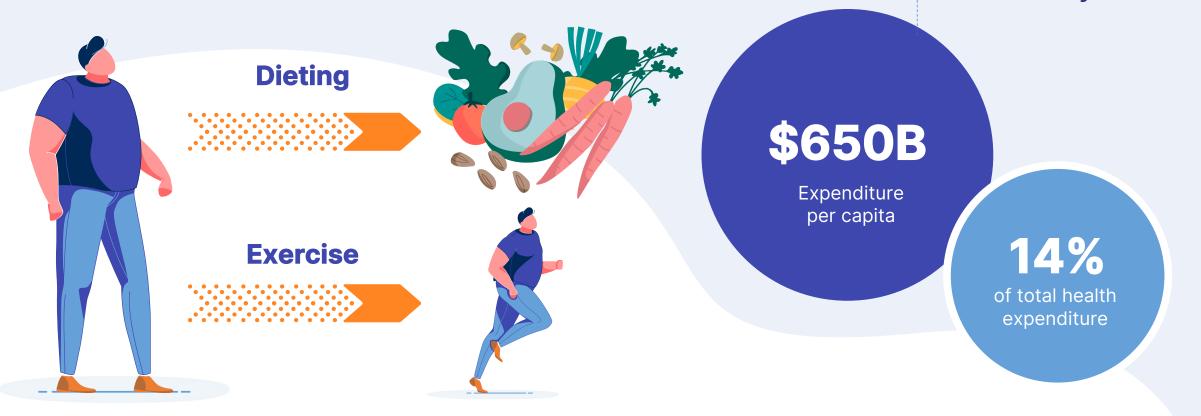


(Formerly)

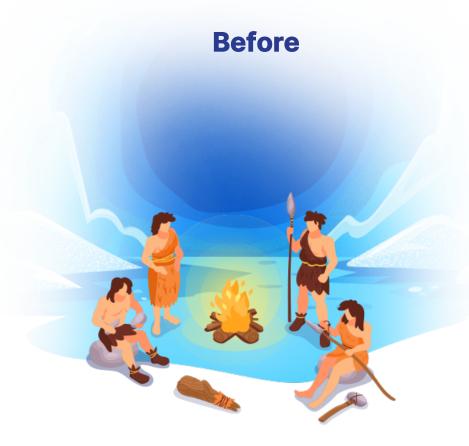
Losing weight is an unresolved problem for 50% of Americans!

For most Americans, attempting dieting and exercise has not resulted in sustained weight loss.

Average annual health expenditure per capita due to obesity



A forgotten way to lose weight



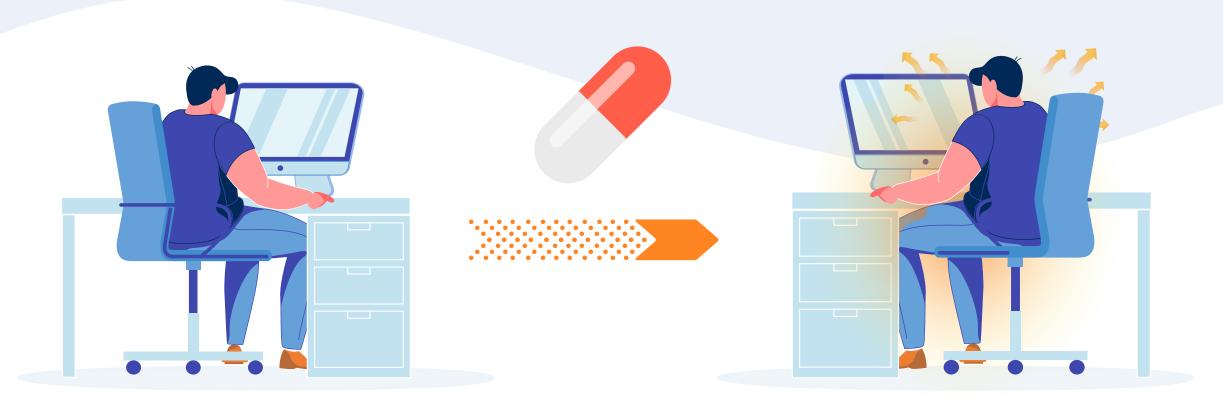
Our body naturally burns calories to keep us warm. This mechanism reduces body weight.

Now

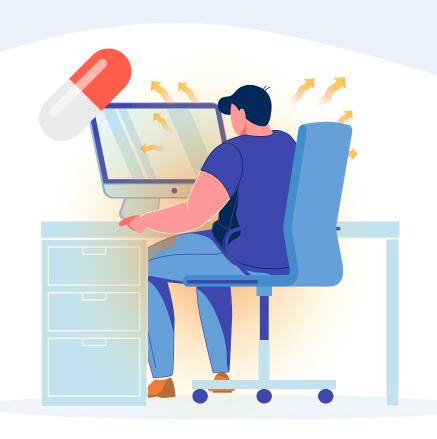


It is hardly active in modern living conditions.

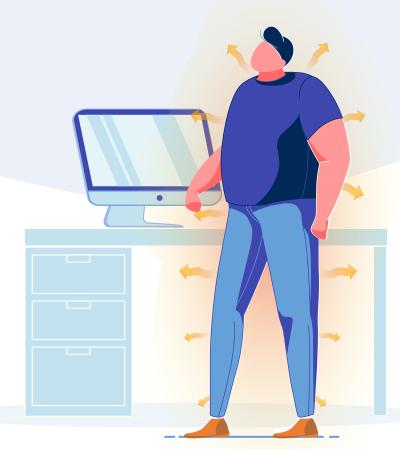
We are targeting a novel mechanism to activate natural heat production



The drug will increase heat production to that of a standing person







How to lose 2lb/week

Method 1: Run 2 hr/day

Unattainable for most obese patients



Method 2: Take our drug daily

Easily attained by obese patients Facilitates transition to exercise



How will our drug work?

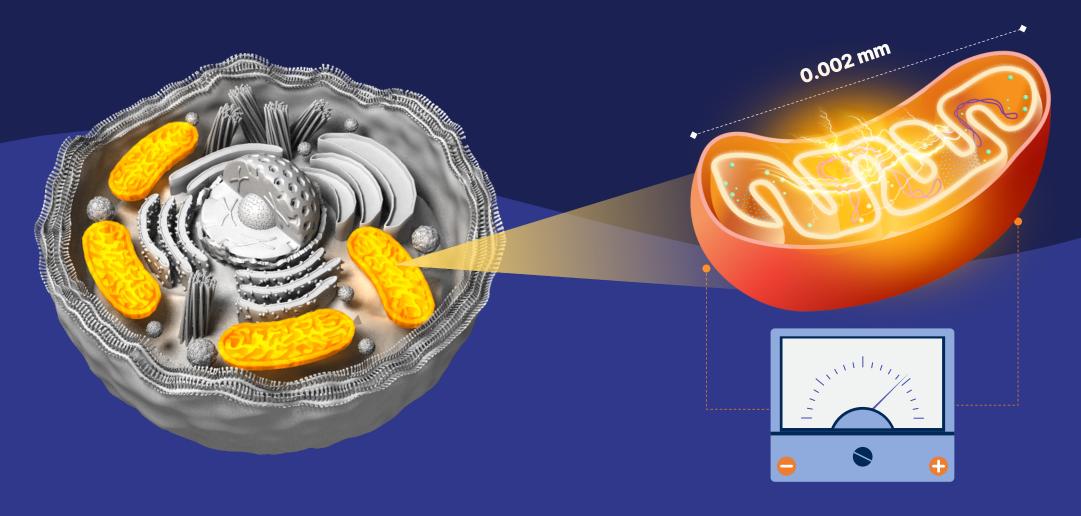
Stimulate heat production by the cellular powerplant – mitochondria.

Mitochondria burn nutrients to generate heat. Mitochondria run on electricity.

Our drug will activate currents responsible for heat production in mitochondria.



Uniquely ours: Measuring mitochondrial electricity



Our Science: Illuminating how mitochondria produce heat

After: Before: Long chain fatty acids With H+ current No H+ current

nature

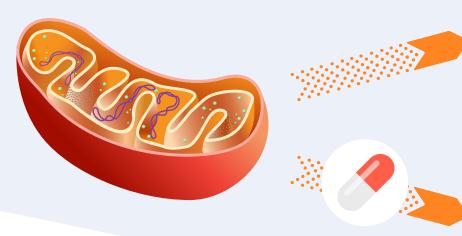
Bertholet et al, Nature 2019

Our drug will mimic exercise by having a similar effect on mitochondria

Food calories



Mitochondria



Exercise



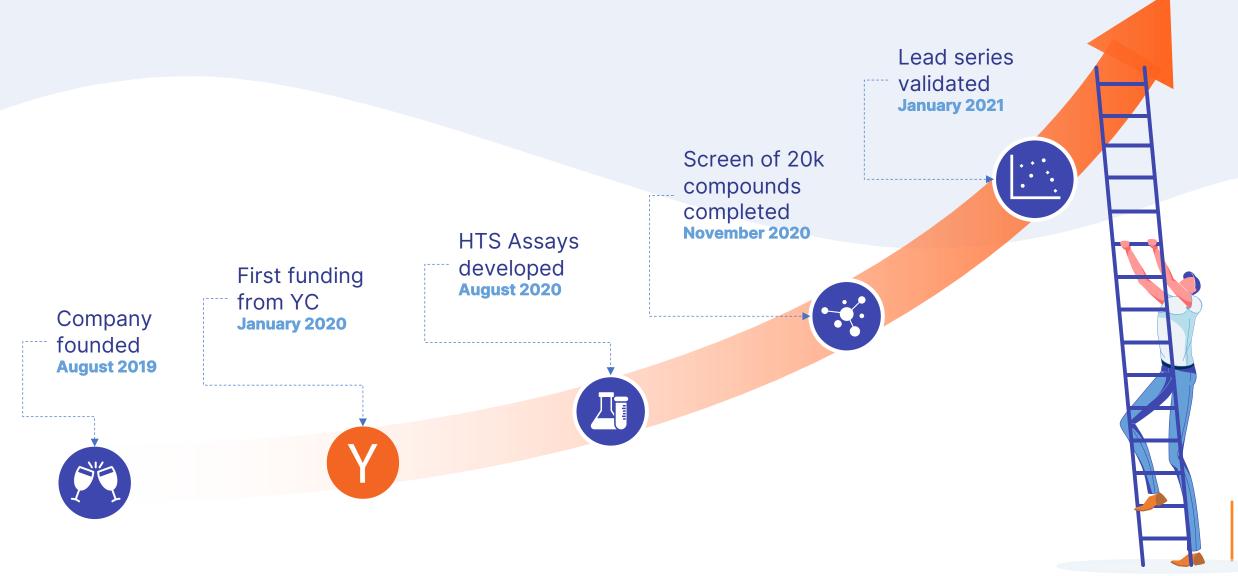
Heat



Promotes longevity by

- Boosting metabolism
- Creating new mitochondria
- Prevents oxidative damage

Our progress



Our timeline to candidate selection



Commercial potential

Targeting large markets of patients with **complex diseases** with a **simple mechanism**

