new organ

Prizes and partnerships advancing the regeneration, preservation, and bioengineering of our vital organs to address organ disease and the global organ donor shortage.

Bill Widen

Mary Wu

Eileen Drezin

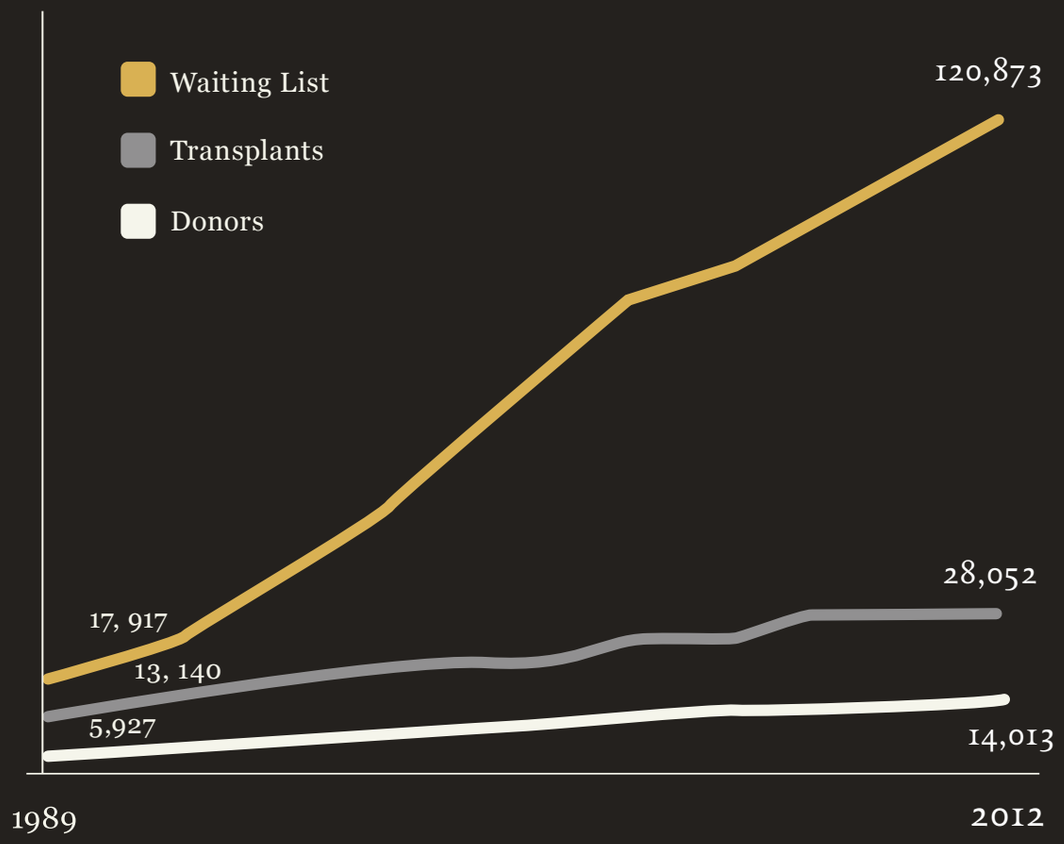
Carol Schutt

THEY WERE SOME OF THE LUCKY ONES

Millions of others are waiting for a new organ worldwide. Many will die before receiving one.

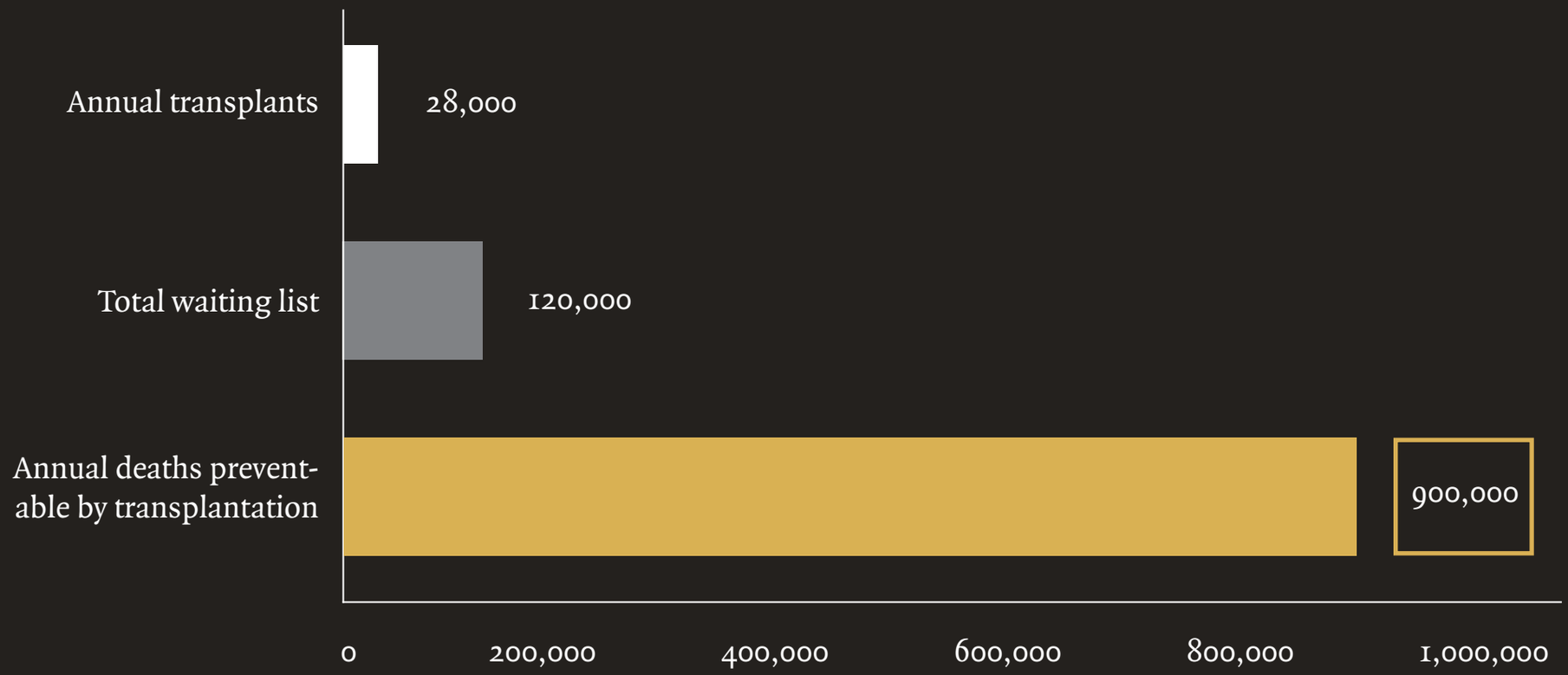
WE'RE HERE TO CHANGE THAT.

THE GROWING SHORTAGE

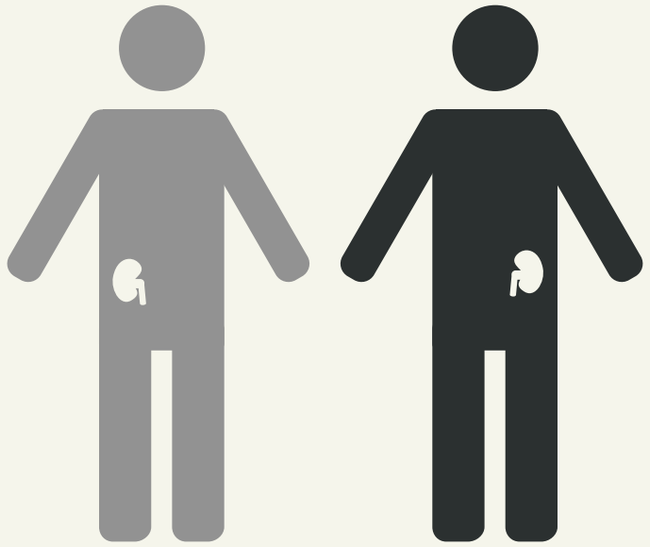


THE U.S. ORGAN WAIT LIST HAS GROWN RAPIDLY, WHILE THE NUMBER OF ORGAN DONORS HAS STAGNATED.

TRUE NEED IS ALMOST
10X LARGER
THAN OFFICIAL WAITING LIST SUGGESTS



AN ESTIMATED 35% OF ALL U.S. DEATHS COULD BE PREVENTED OR SIGNIFICANTLY DELAYED BY ORGAN TRANSPLANTATION.



EVEN FOR THOSE FORTUNATE ENOUGH TO RECEIVE COMPATIBLE ORGAN TRANSPLANTS IN TIME, SERIOUS CHALLENGES REMAIN.

VITALITY

Immunosuppressants that keep your body from rejecting an organ can harm your immune system, raising the odds of severe illness.

LONGEVITY

Transplanted organs often don't last long. You need a new one every 5-15 years, forcing you to endure the waiting list each time.

COST

Kidney transplants are $260,000 in the U.S. Immunosuppressants, which must be taken annually, cost $10,000 per year.

GLOBALLY

THE PROBLEM IS EVEN MORE SEVERE THAN IN THE US

ACCORDING TO THE WORLD HEALTH ORGANIZATION, ORGAN TRANSPLANTS ARE CURRENTLY MEETING LESS THAN 10% OF THE GLOBAL NEED.

A NEW REALITY

WHAT IF AN ORGAN COULD BE CUSTOM MADE, EXACTLY WHEN YOU NEED IT?

NO WAIT LIST

NO IMMUNO-SUPPRESSION

NO SETBACKS

NO DONORS

A FUTURE WHERE NEW ORGANS
AND TISSUES CAN BE CREATED
QUICKLY AND AFFORDABLY
IS NOW WITHIN REACH.

REGENERATIVE MEDICINE
IS COMING OF AGE

LAB-GROWN BLADDERS

In 2006, Dr. Anthony Atala implanted the first lab-grown bladder into a patient.

SYNTHETIC TRACHEAS

In 2008, Dr. Paolo Macchiarini successfully transplanted the first bioengineered trachea.

3D TISSUE PRINTING

In 2009, Organovo created the world's first production 3D bioprinter.

"REGENERATIVE MEDICINE, WITH ITS PROMISE OF REPAIRING DAMAGED TISSUES AND GROWING REPLACEMENT TISSUES AND WHOLE ORGANS, IS THE NEW FRONTIER."

– 2020: A New Vision – A Future for Regenerative Medicine, US Department of Health and Human Services Report

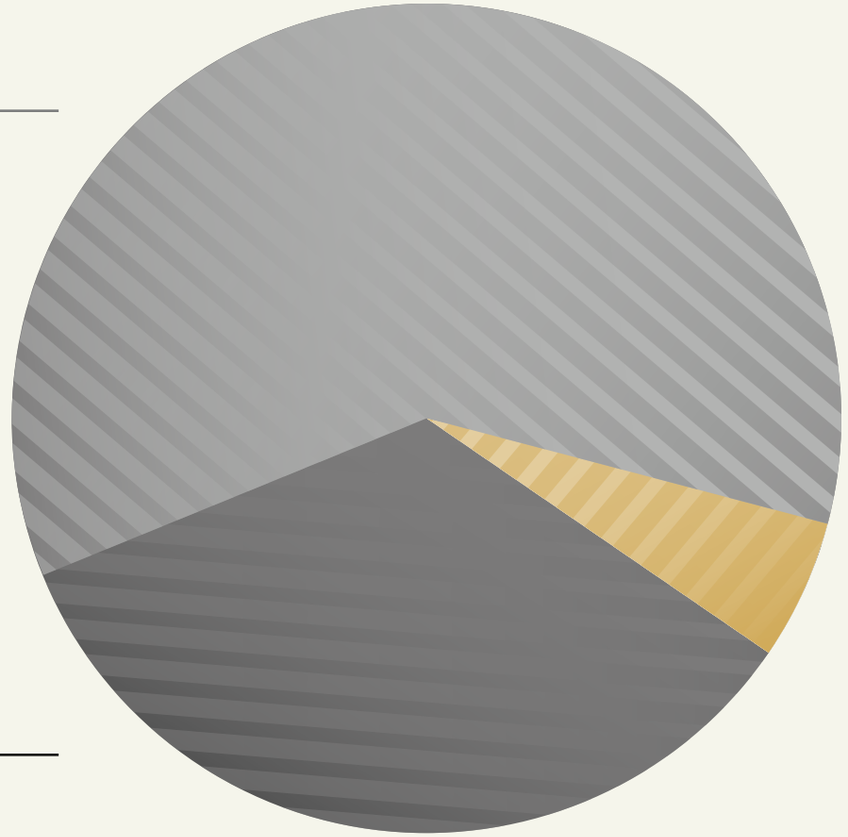
YET FEW PEOPLE KNOW ABOUT IT

Public demand and research dollars are both severely lagging.

ANNUAL U.S. FEDERAL RESEARCH FUNDING:

CANCER
$5 BILLION

HIV/AIDS
$2.8 BILLION



TISSUE ENGINEERING
less than
$800 MILLION

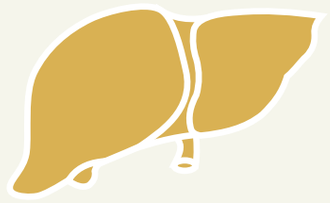
WE ARE CREATING A SERIES OF PRIZES AND A SUPPORTIVE ECOSYSTEM TO PUT THIS CAUSE ON THE MAP, RIGHT NEXT TO AIDS AND CANCER RESEARCH.

STARTING WITH THE LIVER PRIZE.

LEE DOWNING

25-year advocate for organ donation and New Organ donor

NEW ORGAN
LIVER PRIZE



OUR FIRST PRIZE RALLIES SCIENTISTS WORLDWIDE TO REGENERATE A LIVER.

The New Organ Liver Prize will award $1,000,000 to the first team that creates a regenerative or bioengineered solution that keeps a large animal alive for 90 days without native liver function. Future challenge prizes will cover additional whole organs.

LIVER PRIZE GUIDELINES

The challenge will be evaluated by independent, well-qualified judges, and will be open to participants globally. The first team to fulfill the guidelines by December 31, 2018, will win.

new organ
LIVER PRIZE

CLICK HERE FOR GUIDELINES

VALUE OF AN INCENTIVE PRIZE

LEVERAGE

Prizes drive new capital to a field. When well structured, they stimulate 5 - 20X their worth from funders backing teams.

ATTRACTION

Prizes attract new talent with novel ideas, multidisciplinary solutions, and significantly greater public interest.

EFFICIENCY

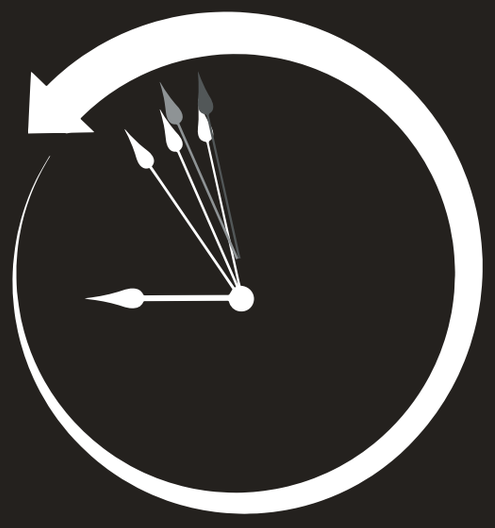
You only pay for a win. This provides unparalleled efficiency for funders – more so than research centers or grants.

Incentive prizes are phenomenal at raising the global visibility and prestige of an undervalued problem and the teams tackling it.

X PRIZE FOUNDATION

"Tissue and organ engineering is coming of age and complements the field of stem-cell-based regeneration. Now is the time for a prize that hastens the technological breakthroughs to remove one of the darkest shadows today: the worldwide organ donor shortage. We need strong incentives and imaginative approaches. New Organ enables both."

HOST CHARITY



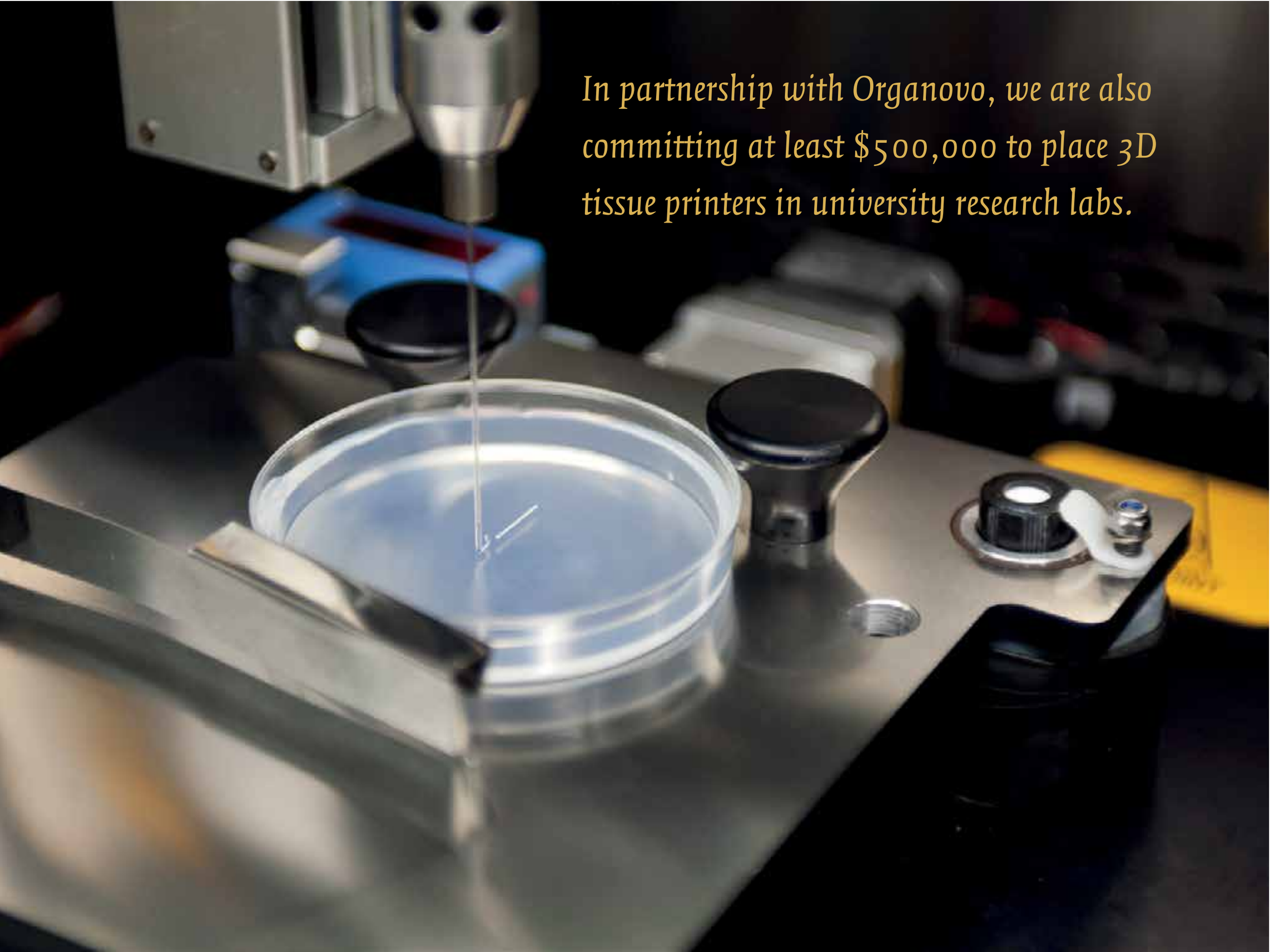
New Organ is an initiative of the Methuselah Foundation, a public charity dedicated to advancing and celebrating regenerative technologies to reduce unnecessary suffering and extend healthy life.

Over $4 million in funding for rejuvenation biotech research.

Critical early-stage funding for Organovo (NYSE: ONVO).

The Mouse Prize, the first large prize for rejuvenation research.

Funding that enabled Silverstone to do kidney matching online.



In partnership with Organovo, we are also committing at least $500,000 to place 3D tissue printers in university research labs.

"Regenerative medicine and tissue engineering are at the cusp of conquering the final frontier, the fabrication of vital organs to definitively solve the organ donor shortage. New Organ will help catalyze the efforts to solve the remaining problems to bring this life saving technology to all of the people who desperately need it."

DR. JOSEPH VACANTI

One of the founders of regenerative medicine and tissue engineering

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DR. JOSEPH P. VACANTI
Surgeon in Chief, Mass General
Hospital for Children

TEAM

JOSH NEUBERT

ICS CEO

Josh has extensive experience managing charities and challenge prizes. Since beginning his career at X PRIZE, he has gone on to co-found ICS to help catalyze the prize competition industry.

TYLER EMERSON

New Organ Executive Producer

Tyler leads New Organ's production. Previously he was founding executive director of the Machine Intelligence Research Institute (MIRI), and co-founder and curator of the Singularity Summit.

DAVID GOBEL

New Organ Founder and Methuselah CEO

A forward-looking entrepreneur and father, Dave co-founded Methuselah in 2002 with Dr. Aubrey de Grey. He continues to work tirelessly to advance breakthroughs that will extend healthy life.

CHLOE BYRUCK

ICS COO

Chloe helps teams achieve organizational cohesion. At New Organ, she coordinates every project and guides overall operational design and execution.

DANE GOBEL

Methuselah Operations Director

Dane manages daily operations for Methuselah, overseeing finances and coordinating all projects. He played a leading role in launching New Organ.

ROSS ROBERTSON

New Organ Writer

Ross is a freelance writer, poet, and environmental journalist. Before joining New Organ, he spent eight years as senior editor of EnlightenNext magazine.

"The Founding Fellows of the Tissue Engineering & Regenerative Medicine International Society (TERMIS) strongly and enthusiastically endorse New Organ. Regenerative medicine has made significant advances in the past 15 years and the New Organ Liver Prize represents a golden opportunity for the next leap forward. The public and the medical community will realize a remarkable clinical benefit with the availability of 'off the shelf' livers obviating the need for donor organs, and the medical health care system will simultaneously benefit. We hope this forward-looking effort sets the standard that inspires other initiatives to focus all the resources of regenerative medicine on solving major health care challenges."

JUDY APPLEGATE
Kidney donor
New Organ Advocate

BILL WIDEN
Lung recipient
Donate Life Advocate

FOR THE MILLIONS IN NEED.

FOR A REAL SOLUTION.

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