



# Fixing Broken Hearts to Prevent Broken Hearts

Tim Nelson, MD, PhD



Entrepreneur



FASTCOMPANY



INFLUENCIVE



FOX



Inc.



Entrepreneur



FAST COMPANY



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HeartWorks

# Ryals, a 3 Month Infant



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# HeartWorks



HeartWorks

**10-year old Ava, can't get a transplant.**



**This is her only chance.**



**HeartWorks**

**I need your help.**



**HeartWorks**

**1 in 100 newborns affected**





# 25%

of congenital heart patients  
require an open heart surgical  
procedure in the first year of life.

## 25% of the 1 of 100



HeartWorks



**50%**

**of those severe single  
ventricle patients will only  
make it to their**

**5<sup>th</sup>** birthday



**HeartWorks**

# 2.4 Million People Living with CHD

1 million kids dream of becoming the **NEXT 1.4 MILLION ADULTS**



**ASHER, 2**

HLHS



**FINN, 5**

Cardiomyopathy, Heart Transplant



**BELLA, 8**

HLHS



**CHARLIE, 11**

D-Transposition of the Great Arteries



**MARIBETH, 35**

HLHS



**DAKOTA, 18**

Cardiomyopathy



**JAROD, 22**

HRHS



**ABBY, 31**

Tricuspid Atresia



**KELLY, 31**

HLHS




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**What would you do to avoid a transplant for your child?**



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A photograph of a family in a hospital room. A woman is sitting by the side of a bed, holding the hand of a young girl who is lying in the bed. A man is leaning over the bed, looking at the girl. The background is a dark, textured pattern of various pills and capsules. The text is overlaid in the center of the image.

**A heart transplant means drugs for  
the rest of your life**



**\$1M**

**Cost of heart transplant**

**7 years**

**Avg. lifespan**

On immunosuppressant drugs for rest of your life  
(if drugs and cancer doesn't kill you first)

**2 years**

**Avg. wait time to get a heart**



**HeartWorks**

# Costs of Heart Disease in the US alone

2023

**\$350B**  
for care p.a.

**\$137B**  
lost productivity

**\$11.5B**  
heart attacks

2035

**\$1.1T**  
cardiovascular disease  
expected total cost by 2035

**\$749B**  
direct cost

**\$368B**  
indirect cost

Source: <https://www.cdc.gov/policy/polaris/healthtopics/heartdisease/index.html>



**Gabrielle**

**Cameron**

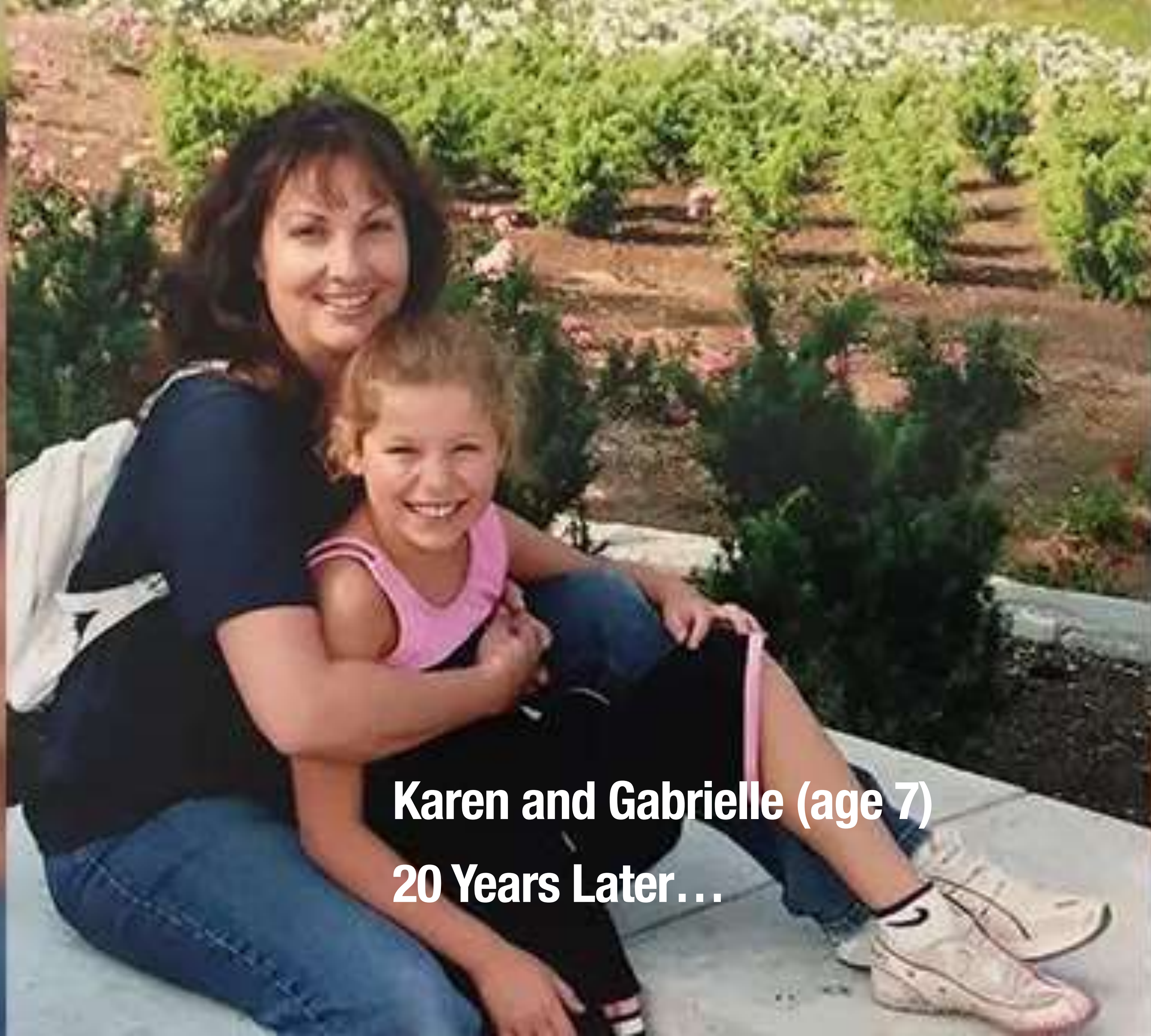
**Pepper the Dog**

# **No More Broken Hearts**

**HeartWorks & Stem Cells Creates a World  
Where No One Dies of a Failing Heart**



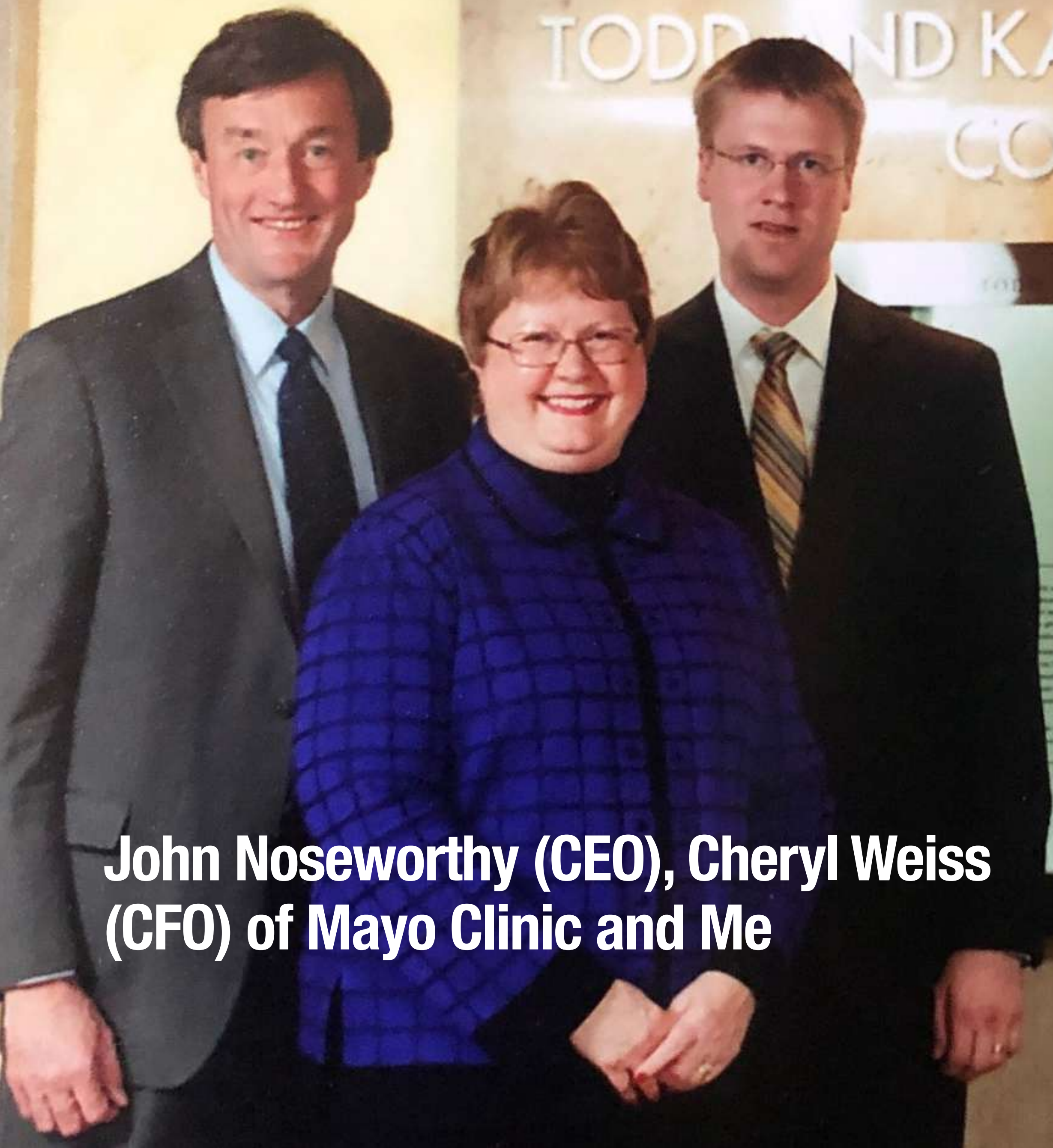




**Karen and Gabrielle (age 7)**  
**20 Years Later...**



TODD AND KAREN WANEK FAMILY  
CONCOURSE



**John Noseworthy (CEO), Cheryl Weiss (CFO) of Mayo Clinic and Me**



**Todd, Gabrielle & Karen Wanek**



# HeartWorks is a Platform

**Our autologous stem cells can replace virtually any tissue or organ**



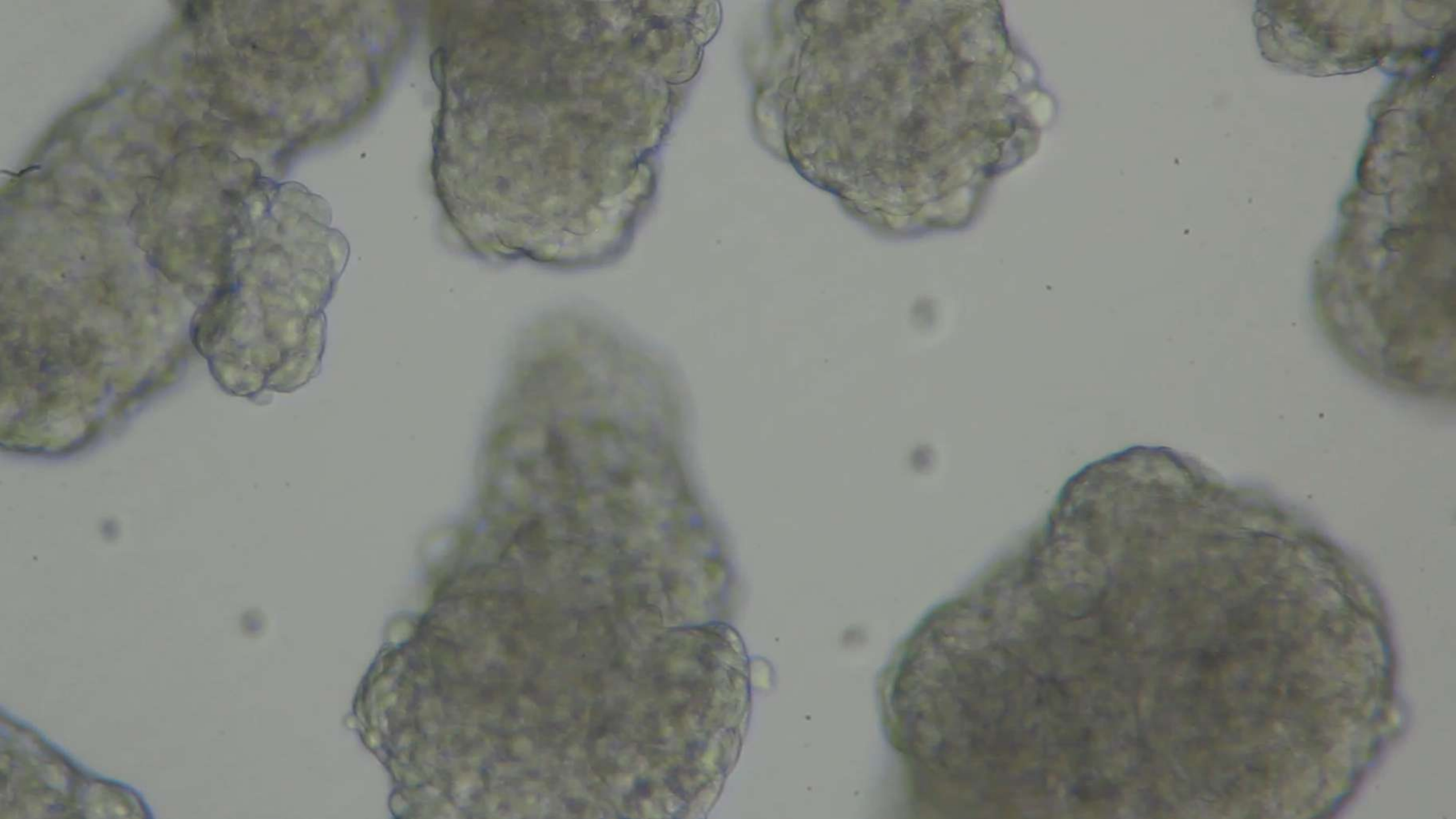
**HeartWorks**

LIVE ET

**BILL WEIR**  
abc NEWS







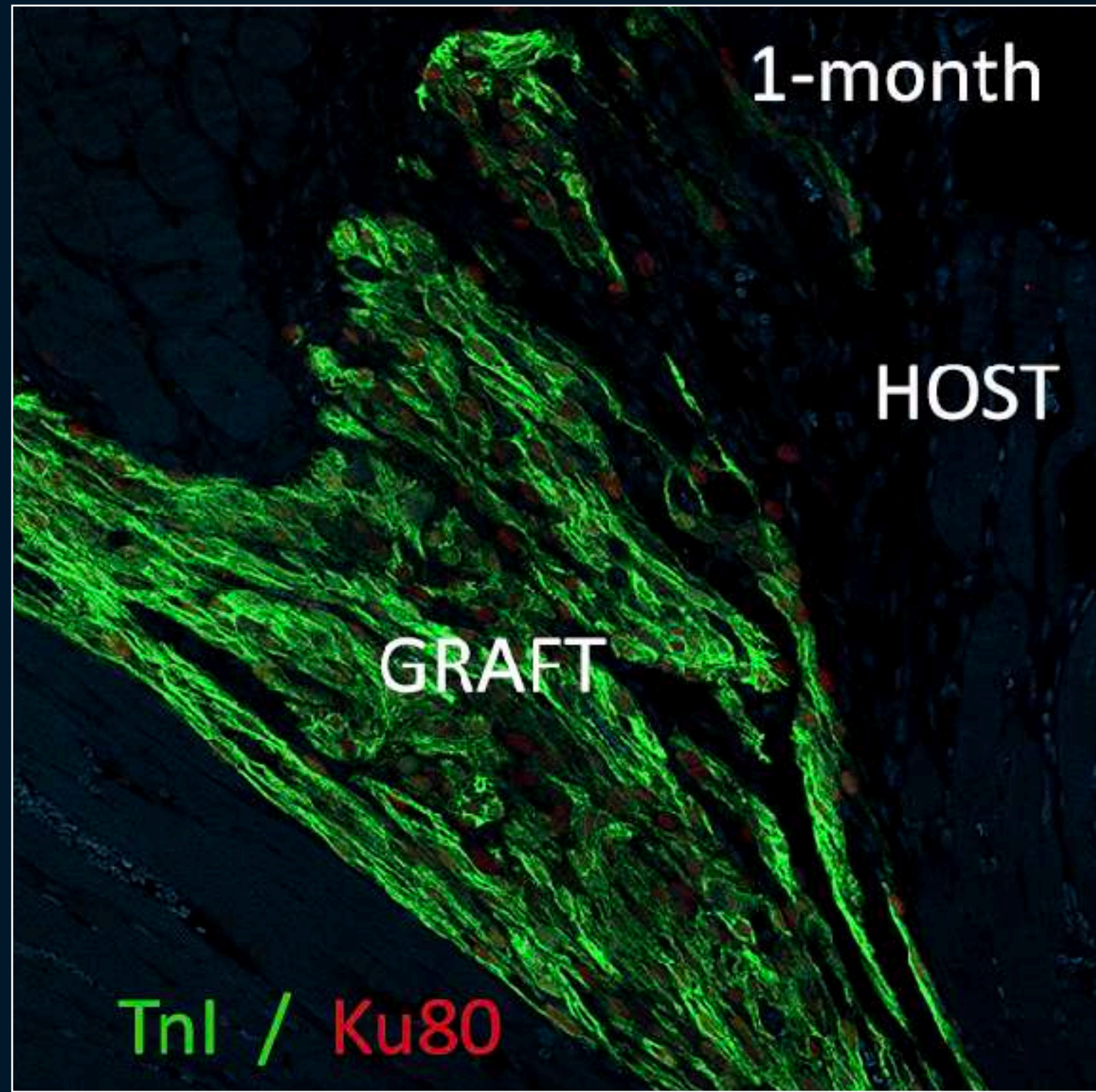


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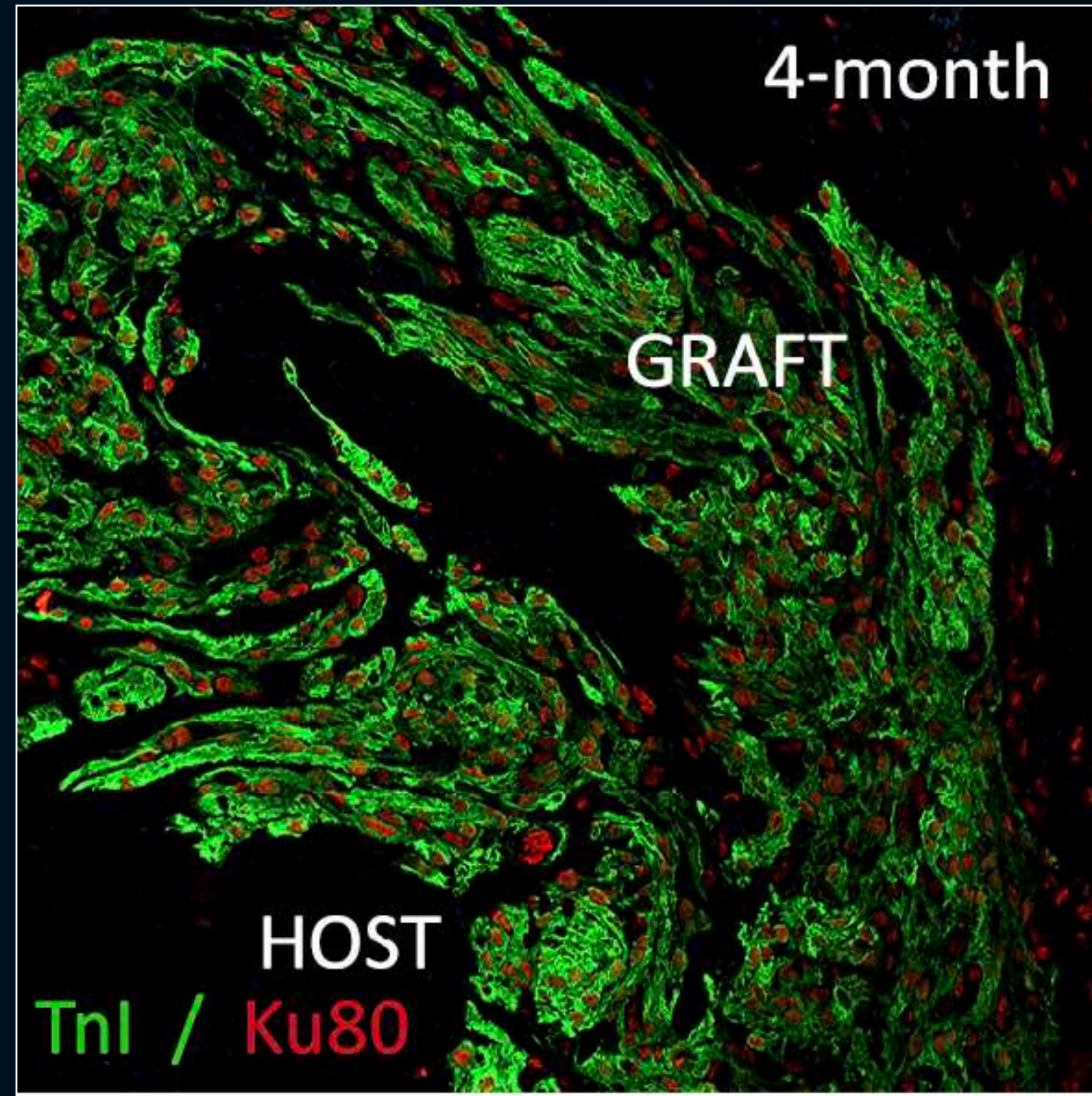


HeartWorks

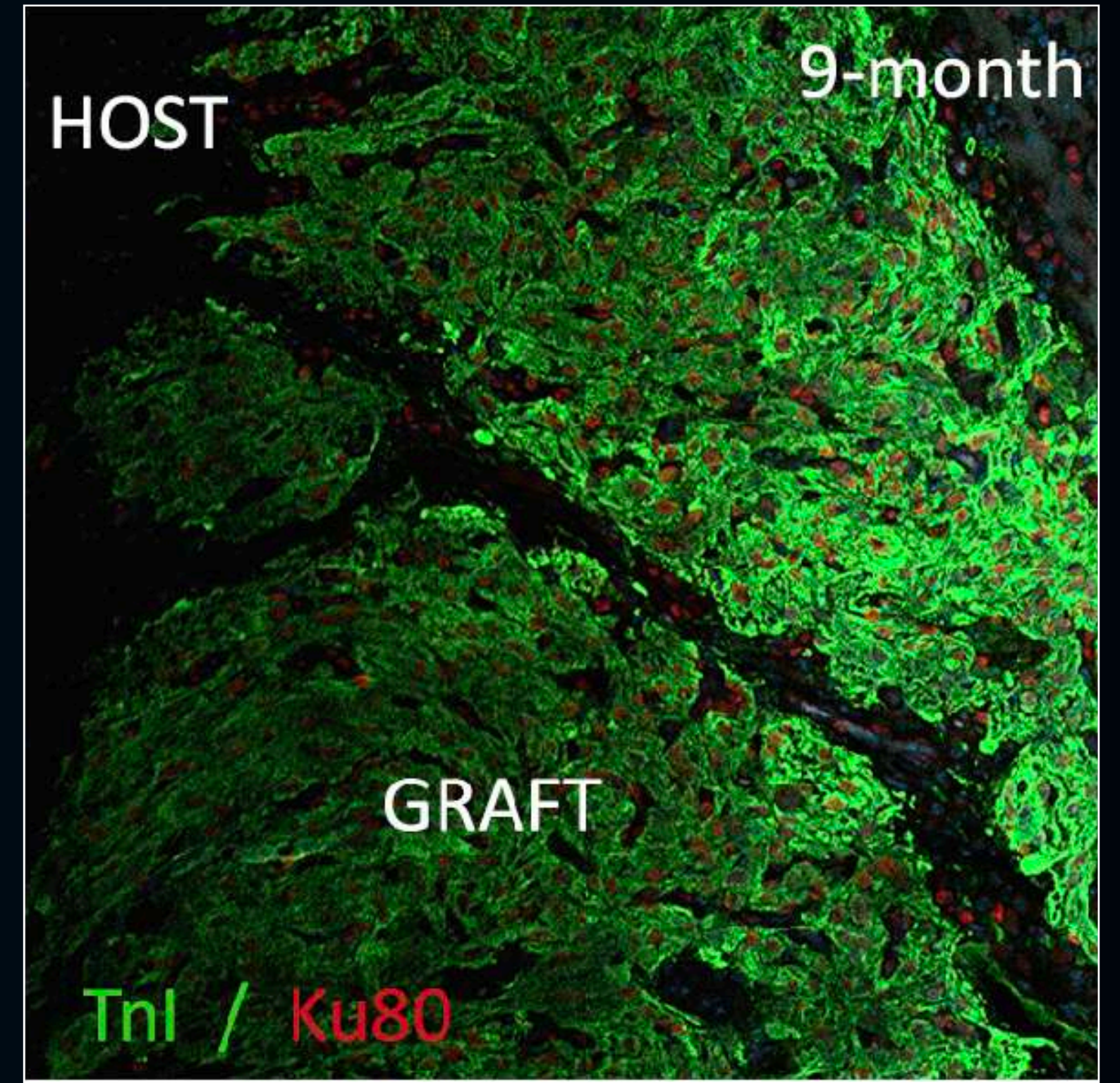
iPSC-CL-1



**1 month**



**4 months**



**9 months**





# This works for everyone...



## Kids, Adults, Future You



HeartWorks

**697,000**

people die of heart disease  
in the US every year

**1 in 5**

of every death in the US is  
heart related

**382,820**

die of Coronary Heart  
Disease annually

**805,000**

Americans have a heart attack  
every year





# 550m

**Living with Heart and Circulatory  
Disease Worldwide**



**My Moonshot**

# **Fix Broken Hearts**

**To Prevent Broken Hearts**



**HeartWorks**

# The HeartWorks Ecosystem



**Built by Todd & Karen Wanek and the Wanek Family**



**HeartWorks**

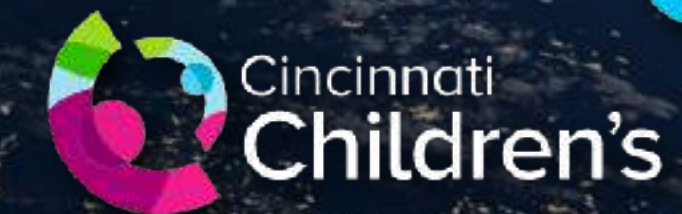
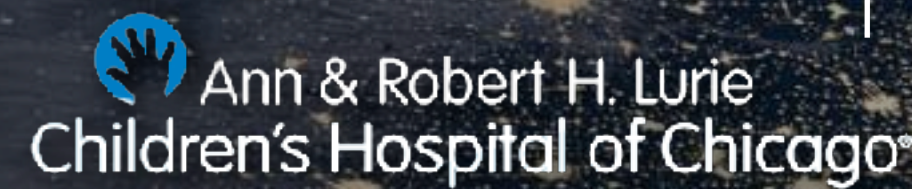
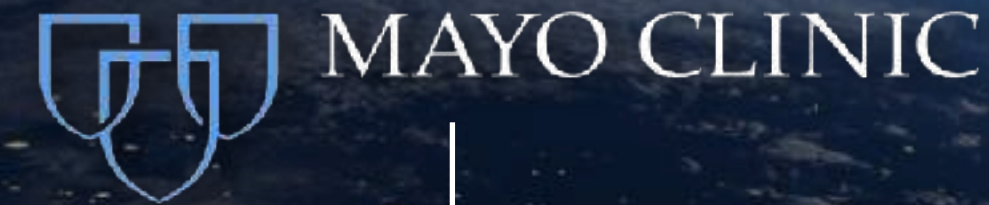
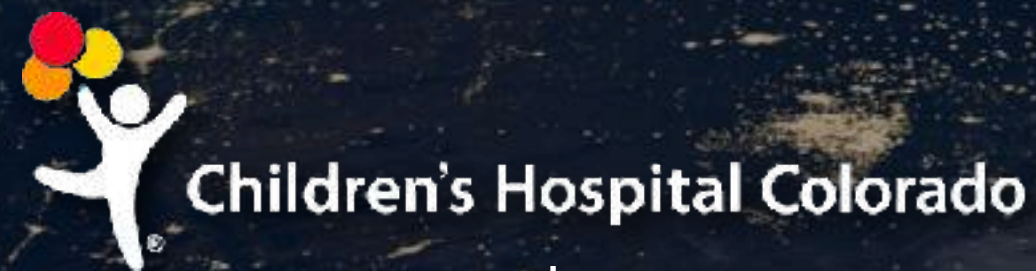
# The HeartWorks Team



HeartWorks

# HeartWorks Partners

World-Class Institutions Dedicated to Changing Outcomes



# The HeartWorks Labs



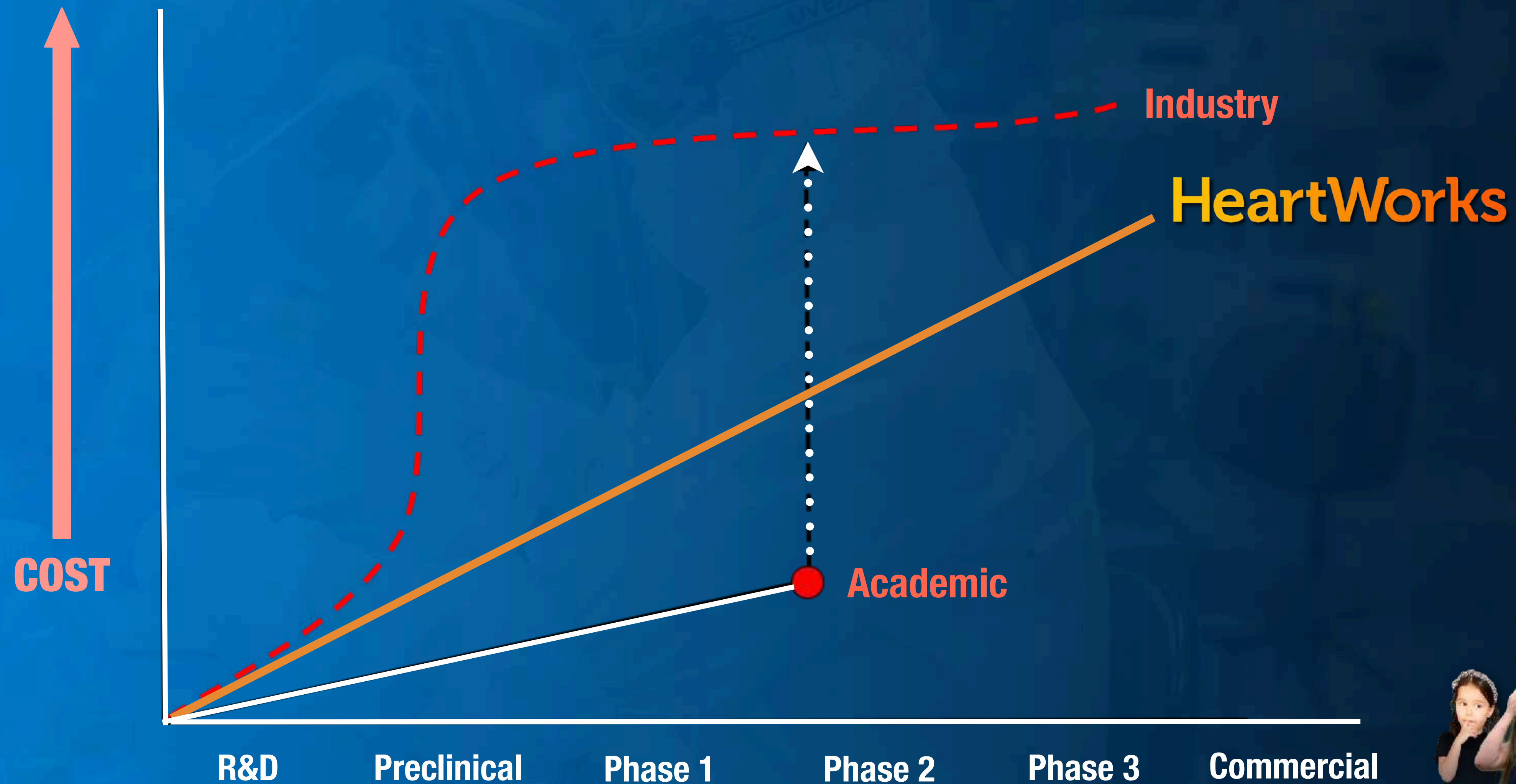
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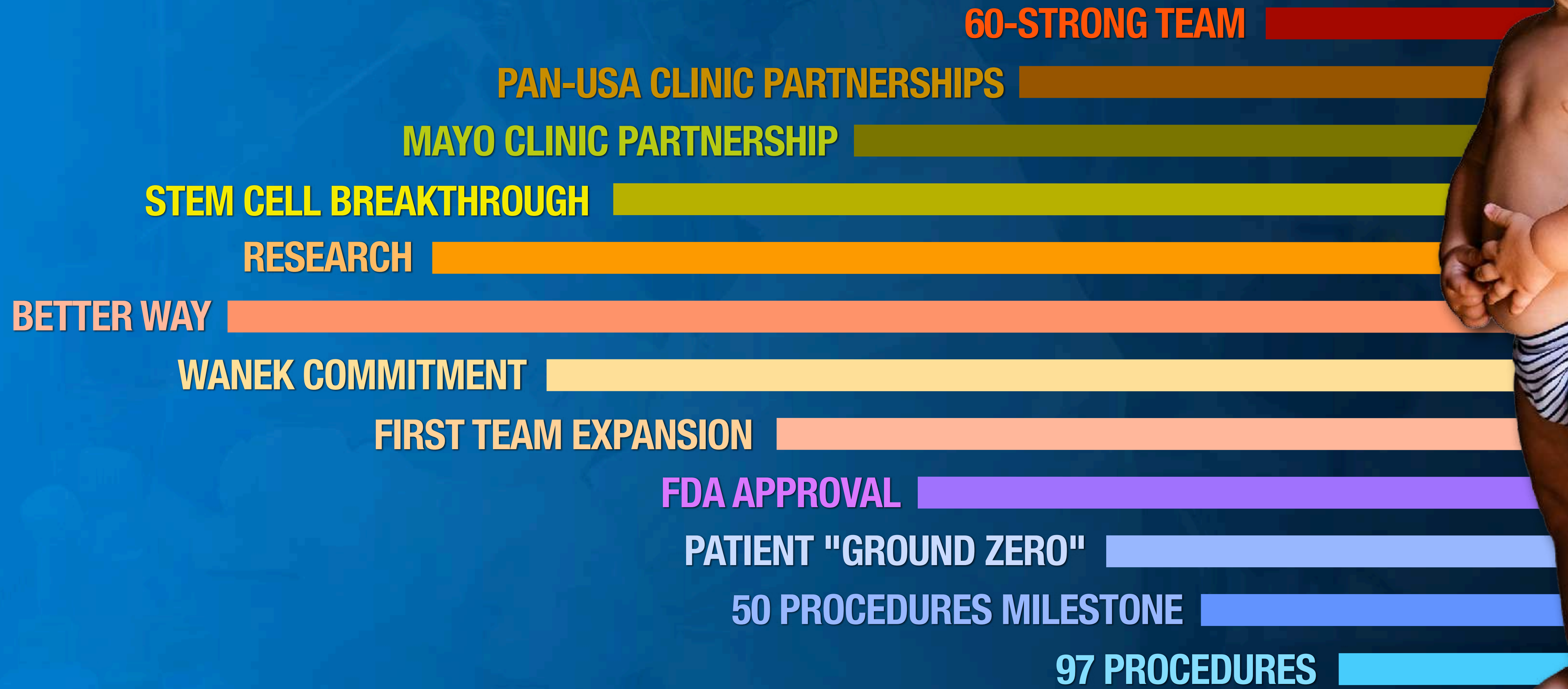
# THE HOPE OF STEM CELLS



# Risk-based Approach to Product Development



# We Advance at the Speed of Trust



# The Future We Are Creating

10X OPERATIONAL PLATFORM

FERTILIZER STEM CELLS



BIOENGINEERED CARDIAC CELLS



BIOENGINEERED BEATING CONDUIT



COMBINATION CELL THERAPIES

LEADERS OF TRILLION \$ INDUSTRY

\$100M MILESTONE

MECHANICAL PUMP



FDA APPROVALS

PATIENTS BEYOND CHD

500 PROCEDURES MILESTONE

\$20M RAISED ANNUALLY



HeartWorks

**Here's my ask...**



# Attend My Breakout Session



- How you can participate now
- Opportunity to help commercialize and bring this to the world
- Opportunity to join Todd & Karen Wanek, Dan Sullivan, Babs Smith, Joe Polish, John Rost, Mike Koenigs for dinner. 12 spots available.

# Get Your **FREE** Bonuses

- Complete walkthrough of the Heartworks model
- Video interviews
  - History of HeartWorks
  - Deep Dive Q&A
- Bill Weir, ABC Nightline Interview
- Ryals' Story
- Virtual Lab Tour
- Leadership Council Application

Visit [WeBuildHearts.org/Free](https://WeBuildHearts.org/Free)  
Text "HEART" to (507) 479-4383



Scan this QR code



# Join Us For Dinner Tonight

Scan this QR code



**Only 12 Seats Available!**







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## Get Your Free Bonuses!

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